

遠洋다랭이 延繩漁業 漁獲統計  
資料集 및 漁場圖

ANNUAL REPORT OF CATCH AND EFFORT  
STATISTICS AND FISHING GROUNDS ON  
KOREAN TUNA LONGLINE FISHERY

1979

國立水產振興院

FISHERIES RESEARCH & DEVELOPMENT AGENCY

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## 국민교육헌장

우리는 민족중흥의 역사적 사명을 띠고 이 땅에 태어났다. 조상의 빛난 얼을 오늘에 되살려, 안으로 자주 독립의 자세를 확립하고, 밖으로 인류 공영에 이바지 할 때다. 이에, 우리의 나아갈 바를 밝혀 교육의 지표로 삼는다.

성실한 마음과 튼튼한 몸으로, 학문과 기술을 배우고 익히며, 타고난 저마다의 소질을 계발하고 우리의 처지를 약진의 발판으로 삼아, 창조의 힘과 개척의 정신을 기른다. 공익과 질서를 앞세우며 능률과 실질을 숭상하고, 경애와 신의에 뿌리박은 상부 상조의 전통을 이어받아, 명랑하고 따듯한 협동정신을 북돋운다. 우리의 창의와 협력을 바탕으로 나라가 발전하며 나라의 융성이 나의 발전의 근본임을 깨달아, 자유와 권리에 따르는 책임과 의무를 다하며, 스스로 국가 건설에 참여하고 봉사하는 국민 정신을 드높인다.

반공 민주정신에 투철한 애국애족이 우리의 삶의 길이며, 자유세계의 이상을 실현하는 기반이다. 길이 후손에 물려줄 영광된 통일 조국의 앞날을 내다보며, 신념과 긍지를 지닌 근면한 국민으로서 민족의 슬기를 모아 줄기찬 노력으로, 새 역사를 창조하자.





## 머 리 말

우리나라 遠洋漁業은 1957年 印度洋에서 다랭이 延繩漁業 試驗操業을 계기로하여 1962年 太平洋, 1964年 大西洋에 出漁하므로서 急激한 伸張을 이룩하여 왔읍니다. 그러나 現今의 海洋을 둘러싼 國際水産動向은 沿岸國들의 排他的 200海里 經濟水域 設定과 漁業規制의 強化 및 國際水産機構에 의한 資源管理擴大 趨勢等으로 既存 漁場範圍가 점차 縮小되고 있으며, 이런 趨勢는 1950年代 UN 海洋法會議 以後 더욱 高潮되어 1981年 現在 136個 沿岸國중 87個國이 각종 形態로 管轄水域을 擴大 實施하고 있고 나머지 沿岸國들도 곧 宣布할 것으로 豫想됩니다. 한편 國內으로는 輸出産業으로서 高度의 成長을 維持해 왔던 다랭이 漁業이 계속되는 油價引上과 魚價昏迷等으로 인하여 水産物生産의 伸張에도 적지않은 影響이 豫想되고 있습니다.

따라서 國立水産振興院에서는 1975~1978年間 遠洋다랭이 漁獲統計資料集 및 漁場圖 發刊에 이어 1979年 三大洋에서 다랭이 漁船으로 부터 蒐集된 資料를 整理하여 신속 正確한 漁場情報를 漁民諸位께 提供하므로서 最小의 努力과 經費로서 보다 많은 漁獲에 의한 所得増大를 뒷받침함과 동시에 더욱 效果的인 漁業活動으로 다랭이 漁業發展에 일익을 담당하게 하고 또한 다랭이 漁業資源에 관한 國內 및 國際의 管理의 基礎資料를 마련하고자 本 資料集 및 漁場圖를 發刊하게 되었읍니다.

끝으로 本 책자가 發刊되기까지 資料提出에 協助해 주신 遠洋漁業者諸位께 깊은 감사를 드리며 資料의 整理分析 및 編輯에 수고한 當院 遠洋資源調查科 職員 일동의 勞苦을 치하하는 바입니다.

1981年 12月 日

國立水産振興院長      李   羲   秀



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本 資料集 및 漁場圖의 作成 및 編輯에 關係된 研究者

Edited by

|       |           |                         |
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## I. 資料 및 方法

本 資料集에 收錄된 資料는 1979 年度 3 大洋에서 韓國 다랭이 延繩 漁船으로 부터 蒐集된 漁獲實績報告書를 基礎로 하여 다음과 같이 作成했다.

### 1. 漁獲統計 資料集

가. 蒐集된 資料는 各漁船의 操業位置에 따라 經緯度  $5^{\circ} \times 5^{\circ}$  간격으로 區分 集計 하였다.

나. 漁獲實績報告書에 記錄된 資料는 G.G.Weight ( gutted, gilled, fin-off ) 이므로 當院에서 調査한 G.G.Weight 와 Round Weight ( 全重量 ) 관계에서 全重量으로 換算했다.

다. 海區別 (  $5^{\circ} \times 5^{\circ}$  ) 漁場分布圖에서 努力量은 사용된 全 낚시數를, 魚種別 密度分布는 CPUE 로서 表示했으며 計算方法은  $CPUE = \frac{\text{漁獲尾數}}{\text{사용낚시數}} \times 100$  과 같다.

### 2. 漁場 圖

가. 漁場分布圖에서는 調査期間 동안 漁獲對象種 全體에 대한 年別, 分期別, 月別로 區分한 CPUE 와 努力量을 表示했고, 魚種別로는 重要種인 날개다랭이, 황다랭이, 눈다랭이의 順으로 上記 區分한 시기와 같이 각각 나타내었다.

나. 漁場圖에 表示한 CPUE 및 努力量の 範例는 각각 다음과 같다.



單位努力當 漁獲量

Catch Per Unit of Effort

( 單位 : 100 낚시 당 마리수 )

Unit: No. of fish per 100 hooks

- 0.00 — 0.49
- 0.50 — 0.99
- 1.00 — 1.99
- ◎ 2.00 — 2.99
- ◎ 3.00 — 4.99
- 5.00 이상

努 力 量

Efforts

( 사용낚시수 )

No. of hooks used

- 5,000 이하
- 5,000 — 9,999
- 10,000 — 49,999
- ◎ 50,000 — 99,999
- ◎ 100,000 — 149,999
- 150,000 이상

## Ⅱ. 漁獲實績 報告書 蒐集 및 集計

### 1. 報告書 蒐集現況

本 統計는 水産業法 第 72 條의 規定에 의한 「遠洋漁船의 操業動態등의 報告에 關한 規則」(農水産部令 第 667 號, 1977.1.20 改定)으로 遠洋漁業을 經營하는 者는 遠洋漁業에 從事하는 操業動態와 그 漁獲物의 販賣狀況을 國立水産振興院長을 거쳐 水産廳長에게 報告(同令 第 2 條)함과 동시에 報告書는 該當漁船別로 매 항차 종료후 國內基地船(독항식 漁船 包含)은 30 日內에 外國基地船은 60 日內에 國立水産振興院長에게 提出(同令 第 3 條)하여야 하는 規定에 準하여 蒐集된 資料이다. 蒐集—整理—分析된 資料는 遠洋漁業의 資源動態把握과 遠洋漁業振興策 樹立 및 國際水産機構에 科學的 基礎評價資料로서 提供되고 있으며 특히 本 統計資料集에서와 같이 魚種別 資源豐度の 分布狀態와 時期別 中心漁場 把握등 漁況豫報資料로서 活用될 뿐 아니라 水産團體 및 關聯 機關에 앞으로 資源解析을 위한 基礎資料로서도 利用될 수 있을 것이다.

本 統計를 蒐集하여 整理 分析하기 까지의 段階的 作業 흐름도와 調査樣式은 그림 1 및 表 1 과 같다. 한편 本 統計集에 수록된 1979 年度의 標本率(coverage rate)은  $\frac{\text{당원집계 총어획량}}{\text{수산통계연보상의 총어획량}} \times 100$  로서 計算했고 1975 ~ 1979 年間은 表 2 와 같다.

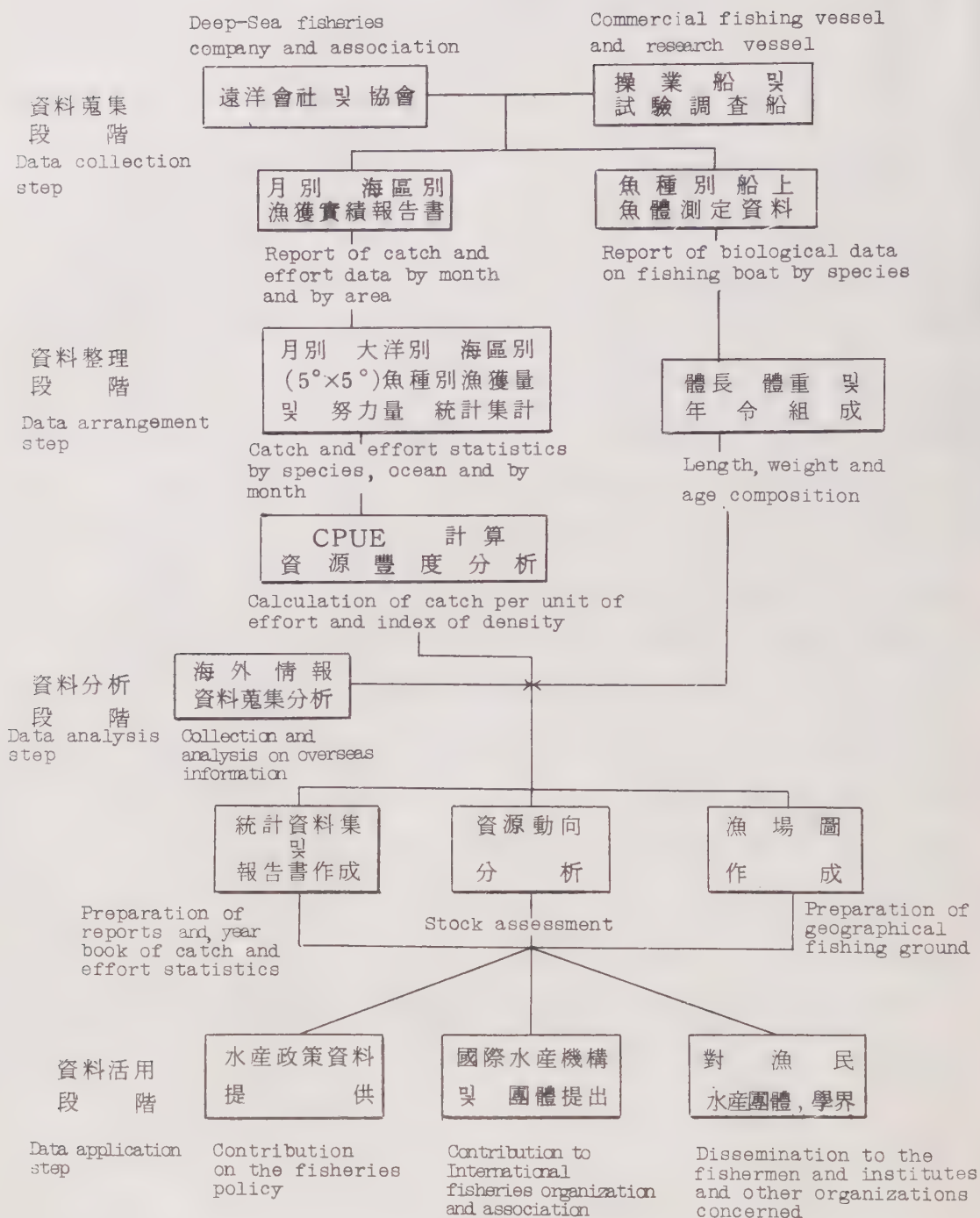


그림 1. 統計資料蒐集 및 分析作業 흐름도

Fig 1. Flow chart of data processing

表 1. 漁獲量 調査表

(별지 제1호 서식) Table 1. Sheet form for catch statistics

기 관

분류기호 :

수 신 : 국립수산물품질관리원

참 조 : 원양자원조사과장

제 목 : 원양다랭이연승어업어획실적보고

(전화

|        |     |         |   |        |
|--------|-----|---------|---|--------|
| 보고선박   | 총톤수 | 톤       | 마 | 력      |
| 상해차수01 | 차   | 입항년월일02 | 월 | 일      |
|        |     | 항해일수03  | 일 | 조업일수04 |
|        |     |         | 일 | 승무원05  |

|                                                                                                                                |              |    |     |
|--------------------------------------------------------------------------------------------------------------------------------|--------------|----|-----|
| 조업형태 06                                                                                                                        |              |    |     |
| 1. 태평양(기지, 독항)                                                                                                                 | 4. 기 타       |    |     |
| 2. 대서양(기지, 독항)                                                                                                                 |              |    |     |
| 3. 인도양(기지, 독항)                                                                                                                 |              |    |     |
| 어선규모 07                                                                                                                        |              |    |     |
| 1. 100톤~150톤                                                                                                                   | 5. 301톤~350톤 |    |     |
| 2. 151톤~200톤                                                                                                                   | 6. 351톤~400톤 |    |     |
| 3. 201톤~250톤                                                                                                                   | 7. 401톤~450톤 |    |     |
| 4. 251톤~300톤                                                                                                                   | 8. 451톤~이상   |    |     |
| 주어장 08                                                                                                                         |              |    |     |
| 1. 0도이북태평양                                                                                                                     | 4. 0도이남태평양   |    |     |
| 2. 180도이서태평양                                                                                                                   | 5. 인도양       |    |     |
| 3. 0도이북태평양                                                                                                                     | 6. 대서양       |    |     |
| 3. 180도이동태평양                                                                                                                   |              |    |     |
| 주로사용한이료 09                                                                                                                     |              |    |     |
| 1. 공 치                                                                                                                         | 3. 기 타       |    |     |
| 2. 오 정 어                                                                                                                       |              |    |     |
| 비 고                                                                                                                            |              |    |     |
| 1. 조업기간이 두개의 달에 걸쳐있을 때는 월별로 별지를 작성할것.                                                                                          |              |    |     |
| 2. 조업형태로 부터 주로 사용한 이료 까지의 란 및 정오위치의 N.S별 E.W별의 란은 해당되는 것에 ○표한다.                                                                |              |    |     |
| 3. 어종별 어획량은 각란마다 상단은 중량(kg)을 하단은 마리수를 기재할것.                                                                                    |              |    |     |
| 예 : <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>kg</td></tr><tr><td>마리수</td></tr></table> |              | kg | 마리수 |
| kg                                                                                                                             |              |    |     |
| 마리수                                                                                                                            |              |    |     |
| 4. 이 양식은 전자제산기 사용방식으로 작성되어 있으므로 임의로 개정 사용치 말것.                                                                                 |              |    |     |
| 5. 표지에 표시되어 있는 숫자는 고유번호이므로 기재시 개개의치 말것.                                                                                        |              |    |     |

| 구분            | 정 오 위 치 |          |            |          | 표 면        | 낚시수     | 다 랑 이    |           |        |     |  |
|---------------|---------|----------|------------|----------|------------|---------|----------|-----------|--------|-----|--|
|               | 위 도     |          | 경 도        |          |            |         | 날개 다랭이   | 황다랭이      | 눈다랭이   |     |  |
|               | 도       | N.S<br>별 | 도          | E.W<br>별 |            |         |          |           |        |     |  |
| 날자            | 도       | N.S<br>별 | 도          | E.W<br>별 | 수 온        | बाट지수   | Albacore | Yellowfin | Bigeye | 참 E |  |
| 월             | 일       | 20       | 21         | 22       | 23         | 30      | 31       | 40        | 41     | 42  |  |
|               | 1       |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 2       |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 3       |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 4       |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 5       |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 6       |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 7       |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 8       |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 9       |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 10      |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 11      |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 12      |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 13      |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 14      |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 15      |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 16      |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 17      |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 18      |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 19      |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 20      |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 21      |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 22      |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 23      |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 24      |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 25      |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 26      |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 27      |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 28      |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 29      |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 30      |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
|               | 31      |          | 1 N<br>2 S |          | 1 E<br>2 W |         |          |           |        |     |  |
| 본항해의 어획량 및 금액 |         |          |            |          |            | 어 획 량 ㄱ |          |           |        |     |  |
|               |         |          |            |          |            | 금 액 ㄱ   |          |           |        |     |  |
|               |         |          |            |          |            | 미당평균중량  |          |           |        |     |  |





表 2 . 年度別 大洋別 標本率 現況

Table 2 . The coverage rate by year and by ocean

單位 : %  
Unit : percentage

| <div> <div>大洋</div> <div>Ocean</div> </div> <div> <div>年度 Year</div> </div> | 大 西 洋<br>Atlantic Ocean | 印 度 洋<br>Indian Ocean | 太 平 洋<br>Pacific Ocean |
|-----------------------------------------------------------------------------|-------------------------|-----------------------|------------------------|
| 1975                                                                        | 19.3                    | 21.2                  | 9.6                    |
| 1976                                                                        | 49.8                    | 19.8                  | 17.8                   |
| 1977                                                                        | 35.2                    | 59.4                  | 44.9                   |
| 1978                                                                        | 39.4                    | 65.4                  | 64.7                   |
| 1979                                                                        | 38.0                    | 61.7                  | 35.7                   |

## 2 . 大洋別 海區別 漁場区分

操業船의 漁獲實績報告書는 매일의 操業位置를 緯度一經度  $1^{\circ}$  간격으로 表示하고 있어 이를  $5^{\circ} \times 5^{\circ}$  간격으로 再集計하여 本 統計를 作成하였다. 이 區分에 의한 漁場位置는 7 자리로 區分하고 있는데 즉,

$\frac{\times}{\text{海區의 크기}}, \frac{\times}{\text{像限}}, \frac{\times \times}{\text{緯度}}, \frac{\times \times \times}{\text{經度}}$  이다.

여기서 區分된 수치의 例를보면 “ 6205165 ” 일때 “ 6 ” 은  $5^{\circ} \times 5^{\circ}$  간격을 表示하고 “ 2 ” 는 像限 ( 그림 2 참조 ) 으로 Southeast 를 나타내며 이때 “ 05 ” 는 南緯를, “ 165 ” 는 東經을 表示한다.

참고로 各像限區分の 수치는 다음과 같다.

- |                    |                    |
|--------------------|--------------------|
| 1 . Northeast (NE) | 2 . Southeast (SE) |
| 3 . Southwest (SW) | 4 . Northwest (NW) |



그림 2 . 像限區分圖

Fig 2 . System for identifying statistical rectangle

### 3 . 漁獲對象種의 種類 및 名称

本統計에서 漁獲對象種을 國名과 英名, 學名으로 나타내었으며 英名の 略字는 다음과 같다.

| <u>韓國名</u><br>(Korean name) | <u>記 號</u><br>(Acronym) | <u>英 名</u><br>(Common name) | <u>學 名</u><br>(Scientific name) |
|-----------------------------|-------------------------|-----------------------------|---------------------------------|
| 참다랭이                        | BFT                     | Bluefin tuna                | <u>Thunnus thynnus</u>          |
| 황다랭이                        | YFT                     | Yellowfin tuna              | <u>Thunnus albacarus</u>        |
| 날개다랭이                       | ALB                     | Albacore tuna               | <u>Thunnus alalunga</u>         |

|      |     |                     |                                    |
|------|-----|---------------------|------------------------------------|
| 눈다랭이 | BET | Bigeye tuna         | <u>Thunnus</u> <u>obesus</u>       |
| 가다랭이 | SKJ | Skipjack tuna       | <u>Katsuwonus</u> <u>pelamis</u>   |
| 황새치  | SWO | Broadbill swordfish | <u>Xiphias</u> <u>gladius</u>      |
| 늑새치  | BUM | Blue marlin         | <u>Makaira</u> <u>nigricans</u>    |
| 청새치  | STM | Striped marlin      | <u>Tetrapturus</u> <u>audax</u>    |
| 백새치  | WHM | White marlin        | <u>Tetrapturus</u> <u>albidus</u>  |
| 돛새치  | SAI | Sailfish            | <u>Istiophorus</u> <u>albicans</u> |
| 기타새치 | OTB | Other billfishes    |                                    |

한편 世界 다랭이類에 관한 分類學的 위치 및 魚種數와 특히 韓國 名과 英名 및 日名을 表 3 과 같이 表示하여 앞으로 통조림 제조시 名稱사용에 참고토록 했고 동시에 美國 FDA ( Food and Drug Administration ) 에서 다랭이類에 관하여 사용하고 있는 學名과 英名을 現在 사용하고 있는 名稱간의 차이를 비교 표시한 것이 表 4 이다.



表 3 - 1 . 참치類의 分類 現況

Table 3-1. Classification for tunas and related species

| Family     | Subfamily  | Tribe                                | Genus          | No. of Species |
|------------|------------|--------------------------------------|----------------|----------------|
| Scombridae | Scombrinae | Tunas<br>(Thunnini)                  | Auxis          | 2              |
|            |            |                                      | Euthynnus      | 3              |
|            |            |                                      | Katsuwonus     | 1              |
|            |            |                                      | Thunnus        | 7              |
|            |            | Bonitos<br>(Sardini)                 | Allothunnus    | 1              |
|            |            |                                      | Cybiosarda     | 1              |
|            |            |                                      | Gymnosarda     | 1              |
|            |            |                                      | Orcynopsis     | 1              |
|            |            |                                      | Sarda          | 4              |
|            |            | Seerfishes<br>(Scomber -<br>omorini) | Acanthocybium  | 1              |
|            |            |                                      | Grammatorcynus | 1              |
|            |            |                                      | Scomberomorus  | 16             |
|            |            | Mackerels<br>(Scombrini)             | Rastrelliger   | 3              |
|            |            |                                      | Scomber        | 3              |
|            |            | Gasterochismatinae                   | Gasterochisma  | 1              |

表 3-2 . Tunas의 13 種

Table 3-2. Tunas concerned

| 學 名                  | 英 名          | 日 名             | 韓 國 名                       |
|----------------------|--------------|-----------------|-----------------------------|
| <u>Auxis rochei</u>  | Bullet tuna  | マルソウダ<br>メジカ    |                             |
| <u>Auxis thazard</u> | Frigate tuna | ヒラソウダ<br>ソウダガツオ | 물치 다래<br>물치, 무태 다랭이<br>목맨둥이 |

|                                               |           |          |
|-----------------------------------------------|-----------|----------|
| <u>Euthynnus affinis</u> Kawakawa             | -         | -        |
| <u>Euthynnus alletleratus</u> Little tuna     | ヤイト       | -        |
| <u>Euthynnus lineatus</u> Black skipjack      | -         | -        |
| <u>Katsuwonus pelamis</u> Skipjack            | カツオ       | 가 다 랭 이  |
|                                               | マカツオ      | 가 다 리    |
|                                               | ホンガツオ     | 여 다 랭 이  |
|                                               |           | 강 고 등 어  |
| <u>Thunnus alalunga</u> Albacore              | ビンナガ      | 날개 다 랭 이 |
| Longfin tuna                                  | ビンチヨウ     |          |
|                                               | トンホ       |          |
| <u>Thunnus albacares</u> Yellowfin tuna       | キハダ       | 황 다 랭 이  |
|                                               | キワダ       |          |
|                                               | イトシビ      |          |
| <u>Thunnus atlanticus</u> Blackfin tuna       | タイセイヨウマグロ |          |
|                                               | ミニマグロ     |          |
| <u>Thunnus maccoyii</u> Southern bluefin tuna | ミナミマグロ    | 인도 다 랭 이 |
|                                               | イントマグロ    |          |
| <u>Thunnus obesus</u> Bigeye tuna             | メバチ       | 눈 다 랭 이  |
|                                               | バチ        |          |
|                                               | ダルマ       |          |
| <u>Thunnus thynnus</u> Bluefin tuna           | クロマグロ     | 참 다 랭 어  |
|                                               |           | 다 랭 이    |
|                                               |           | 다 랭 어    |
|                                               |           | 참 치      |
| <u>Thunnus tonggol</u> Longtail tuna          | -         | -        |

表 4. Tuna 의 일반통용 名稱과 F.D.A 사용 名稱 比較  
 Table 4. Comparision of common name and F.D.A for tunas  
 and related species

| 英 名                   |                               | 學 名                           |                                                     |
|-----------------------|-------------------------------|-------------------------------|-----------------------------------------------------|
| 일 반 통 용               | F . D . A                     | 일 반 통 용                       | F . D . A                                           |
| Northern bluefin tuna | Bluefin tuna<br>Oriental tuna | <u>Thunnus thynnus</u>        | <u>Thunnus thynnus</u><br><u>Thunnus orientalis</u> |
| Southern bluefin tuna | Southern bluefin tuna         |                               | <u>Thunnus maccoyii</u>                             |
| Albacore              | Albacore                      | <u>Thunnus alalunga</u>       | <u>Thunnus genno</u>                                |
| Blackfin tuna         | Blackfin tuna                 | <u>Thunnus atlanticus</u>     | <u>Thunnus atlanticus</u>                           |
| Bigeye tuna           | Big-eyed tuna                 | <u>Thunnus obesus</u>         | <u>Parathunnus mebachi</u>                          |
| Yellowfin tuna        | Yellowfin tuna                | <u>Thunnus albacares</u>      | <u>Neothunnus macropterus</u>                       |
| Longtail tuna         | Northern bluefin tuna         | <u>Thunnus tonggol</u>        | <u>Neothunnus rarus</u>                             |
| Skipjack              | Skipjack                      | <u>Katsuwonus pelamis</u>     | <u>Katsuwonus pelamis</u>                           |
| Kawakawa              | Kawakawa                      | <u>Euthynnus offinis</u>      | <u>Euthynnus yaito</u>                              |
| Little tunny          | Little tunny                  | <u>Euthynnus alletteratus</u> | <u>Euthynnus alletteratus</u>                       |
| Black Skipjack        | Little tunny                  | <u>Euthynnus lineatus</u>     | <u>Euthynnus lineatus</u>                           |

#### 4. 大洋別 魚種別 平均重量

本 統計集의 漁獲量은 尾數로 表示되어 있으므로 이를 換算하기 위해 年度別 魚種別 調査된 尾當 平均重量을 表 5.6.7 에 表示했다.

表 5. 大西洋 年度別 魚種別 平均重量

Table 5. Average weight (round weight) by year and by species  
in the Atlantic Ocean for 1975-1979

단위 : kg  
Unit : kg

| Species               | 1975 | 1976  | 1977  | 1978 | 1979 |
|-----------------------|------|-------|-------|------|------|
| Albacore              | 21.7 | 20.5  | 20.8  | 22.2 | 21.0 |
| Yellowfin             | 48.6 | 44.0  | 34.0  | 44.6 | 39.8 |
| Bigeye                | 50.4 | 48.3  | 44.6  | 48.0 | 41.2 |
| Bluefin               | 44.5 | 86.3  | 75.6  |      | 45.0 |
| Blue marlin           | 92.3 | 104.3 | 108.8 | 98.6 | 68.2 |
| Broadbill(Sword fish) | 56.3 | 63.0  | 55.3  | 61.8 | 58.8 |
| White marlin          | 27.4 | 26.0  | 25.2  | 29.7 | 30.6 |
| Sailfish              | 21.1 | 22.2  | 23.3  | 21.6 | 20.6 |
| Skipjack              | 2.0  | 5.0   | 10.2  | 6.6  | 13.6 |
| Other billfishes      |      |       |       |      | 30.6 |
| Others                | 24.6 | 18.4  | 27.4  | 18.5 | 20.7 |



表 6 . 印度洋 年度別 魚種別 平均重量

Table 6 . Average weight (round weight) in the Indian Ocean

단위 : kg  
Unit : kg

| Species               | 1975 | 1976 | 1977 | 1978 | 1979 |
|-----------------------|------|------|------|------|------|
| Albacore              | 20.2 | 21.6 | 21.1 | 19.8 | 19.9 |
| Yellowfin             | 34.7 | 34.2 | 36.1 | 32.3 | 34.3 |
| Bigeye                | 43.0 | 35.2 | 36.8 | 35.9 | 38.0 |
| Bluefin               | 75.7 | 75.6 | 64.1 | 38.7 |      |
| Blue marlin           | 76.6 | 80.2 | 82.0 | 73.3 | 65.5 |
| Striped marlin        | 49.5 | 49.5 | 62.3 | 47.0 | 46.3 |
| Broadbill (swordfish) | 54.5 | 52.7 | 49.7 | 45.4 | 44.2 |
| Sailfish              | 26.0 | 29.6 | 47.8 | 42.3 | 32.1 |
| Skipjack              | 7.0  | 4.5  | 6.7  | 12.1 | 8.1  |
| Sharks                |      |      |      |      | 45.9 |
| Other billfishes      |      |      |      |      | 46.8 |
| Others                | 18.8 | 27.2 | 27.7 | 24.4 | 24.0 |

表 7 . 太平洋 年度別 魚種別 平均重量

Table 7 . Average weight (roun weight) in the Pacific Ocean

단위 : kg  
Unit : kg

| Species               | 1975 | 1976 | 1977 | 1978 | 1979 |
|-----------------------|------|------|------|------|------|
| Albacore              | 20.0 | 18.6 | 14.3 | 15.1 | 14.5 |
| Yellowfin             | 38.2 | 37.0 | 27.8 | 30.9 | 27.4 |
| Bigeye                | 53.9 | 45.7 | 33.0 | 34.6 | 34.0 |
| Bluefin               | 85.0 | 86.7 | 87.6 | 47.0 | 37.0 |
| Blue marlin           | 74.3 | 88.5 | 84.6 | 51.6 | 68.0 |
| Striped marlin        | 58.1 | 81.2 | 59.4 | 47.5 | 52.9 |
| Broadbill (swordfish) | 51.9 | 66.0 | 59.4 | 49.8 | 48.6 |
| Sailfish              | 26.3 | 31.5 | 30.5 | 25.1 | 29.4 |
| Skipjack              | 9.8  | 7.6  | 11.6 | 6.6  | 5.9  |
| Sharks                |      |      |      |      | 52.1 |
| Other billfishes      |      |      |      |      | 61.5 |
| Others                | 35.6 | 35.6 | 22.4 | 16.0 | 24.7 |

### Ⅲ. 韓國의 다랭이類 生産動向

우리나라의 遠洋다랭이 漁業은 1957 年 첫 試驗操業을 호시로 하여 1962 年에 5 隻이 出漁操業하므로서 實質的인 資源利用에 들어갔다.

年度別 漁船勢力의 伸張은 1974 年에 最高 567 隻까지 도달한후 다 소 減少하여 1979 年에는 451 隻이 出漁했다. 또한 生産量에서도 每年 增獲되어 1973 年에는 100 千%을 漁獲하므로서 安定된 狀態에 도달했으며 1979 年에는 141 千%을 生産하여 漁獲이 가장 많았던 1977 年比 17.8 %가 減少하였는데 이런 現象은 遠洋漁業 漁船 中 經營수지가 낮고 노후선의 비중이 큰 다랭이기지선의 사고선박에 대한 미보충과 合作投入을 비롯하여 전업등의 生産부진에 기입된 것이라 하겠다. 한편 漁業經營과 密接한 關係를 가지고 있는 輸出 伸張은 1973-74 年期에 漁獲量이 18.2 % 增加에 비해 輸出額은 겨우 1.0 % 增加 했으나 1977 年에는 生産量增獲과 더불어 다랭이類 魚價의 상승으로 輸出額은 1976 年比 47.0 % ( 61,120 千 \$ )의 괄목 할만한 伸張을 이루었다.(表8)

表 8 . 年度別 出漁隻數, 生産量 및 輸出額 現況

Table 8. The status of export price, catches, and operating boats by year

| 區分<br>Item                                    | 年度<br>Year | 1962 | 1967   | 1971   | 1972   | 1973    | 1974    | 1975    | 1976    | 1977    | 1978    | 1979    |
|-----------------------------------------------|------------|------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 出漁隻數 (隻)<br>Operating boats                   |            | 5    | 170    | 291    | 360    | 440     | 567     | 558     | 501     | 501     | 482     | 451     |
| 漁獲量 (千)<br>Nominal catch<br>in metric-ton     |            | 657  | 38,460 | 83,784 | 97,670 | 103,332 | 122,216 | 144,426 | 147,651 | 171,604 | 162,726 | 140,982 |
| 輸出額 (千\$)<br>Export price<br>in 1,000 dollars |            | 209  | 12,344 | 51,570 | 62,777 | 88,254  | 89,097  | 107,564 | 130,149 | 191,269 | 176,804 | 186,000 |

資料：農水産部 水産統計年報, 1980.

Data source : Year book of fisheries statistics, 1980.

Ministry of Agriculture and fisheries, Republic of Korea.

魚種別 生産量 動向은 황다랭이 및 눈다랭이는 減少 傾向에 있고  
반면에 가다랭이는 增加 傾向에 있다. (表 9)

表 9. 年度別 魚種別 生産量 現況

Table 9. Catch of tunas and tuna like fishes by species and by year

單位: ㄱ

Unit: metric-ton

| 年度Year<br>區分<br>魚種 Item<br>Species | 1975    |      | 1976    |      | 1977    |      | 1978    |      | 1979    |      |
|------------------------------------|---------|------|---------|------|---------|------|---------|------|---------|------|
|                                    | 生産量     | %    | 生産量     | %    | 生産量     | %    | 生産量     | %    | 生産量     | %    |
|                                    | Catch   |      | Catch   |      | Catch   |      | Catch   |      | Catch   |      |
|                                    |         |      |         |      |         |      |         |      |         |      |
| 合 計<br>Total                       | 144,426 | 100  | 147,651 | 100  | 171,604 | 100  | 162,726 | 100  | 140,982 | 100  |
| 참 다 랭 이<br>Bluefin                 | 285     | 0.2  | 70      | 0.05 | 10      |      | 119     | 0.1  | 82      | 0.1  |
| 황 다 랭 이<br>Yellowfin               | 38,663  | 26.8 | 40,037  | 27.1 | 65,385  | 38.1 | 51,690  | 31.8 | 46,199  | 32.8 |
| 날 개 다 랭 이<br>Albacore              | 18,111  | 12.5 | 22,641  | 15.3 | 22,952  | 13.4 | 20,508  | 12.6 | 17,485  | 12.4 |
| 눈 다 랭 이<br>Bigeye                  | 52,087  | 36.1 | 49,970  | 33.8 | 50,547  | 29.5 | 51,458  | 31.6 | 43,112  | 30.6 |
| 가 다 랭 이<br>Skipjack                | 9,384   | 6.5  | 9,224   | 6.2  | 7,099   | 4.1  | 16,659  | 10.2 | 19,753  | 14.0 |
| 새 치 류<br>Billfishes                | 9,860   | 6.8  | 14,959  | 10.1 | 10,839  | 6.3  | 10,860  | 6.7  | 10,741  | 7.6  |
| 기 타<br>Others                      | 16,036  | 11.1 | 10,750  | 7.3  | 14,772  | 8.6  | 11,432  | 7.0  | 3,610   | 2.6  |

資料: 農水産部 水産統計年報, 1980.

Data source: Year book of fisheries statistics, 1980.  
Ministry of Agriculture and fisheries,  
Republic of Korea.

大洋別 生産量を 보면 漁獲量이 가장 많았던 1977 年에는 印度洋 海域에 165 隻出漁, 66,015 ㄲ으로 가장 많았고 다음이 太平洋 217 隻出漁 59,985 ㄲ, 大西洋 119 隻, 45,604 ㄲ였으며 隻當 漁獲량은 印度洋이 400 ㄲ으로 首位였고 大西洋 383 ㄲ에 이어 太平洋 276 으로 나타났으며, 1979 年에는 印度洋에 出漁隻數 174 隻, 漁獲量 46,176 ㄲ으로 '77 年比 30.1 % 減少했으며 太平洋은 211 隻에 57,323 ㄲ으로 '77 年比 4.4 %가 減少했고, 大西洋은 66 隻에 37,483 ㄲ으로 '77 年比 17.2 %가 減少했다. 隻當 漁獲량은 印度洋이 265 ㄲ, 大西洋이 568 ㄲ 太平洋이 272 ㄲ으로 '77 年比 印度洋에서는 減少했으나 太平洋과 大西洋에서는 오히려 增加했다 (表 10 )

表 10 . 大洋別 漁船勢力 및 生産量 比率

Table 10. The catches and operating boats by Ocean

| 年度<br>Year                 | 1975            |                         |                                              | 1976            |                         |                                              | 1977            |                         |                                              | 1978            |                         |                                              | 1979            |                         |                                              |
|----------------------------|-----------------|-------------------------|----------------------------------------------|-----------------|-------------------------|----------------------------------------------|-----------------|-------------------------|----------------------------------------------|-----------------|-------------------------|----------------------------------------------|-----------------|-------------------------|----------------------------------------------|
|                            | 隻數<br>No.<br>of | 生産<br>量<br>(ㄲ)<br>catch | 隻當<br>漁獲<br>量<br>(ㄲ)<br>catch<br>per<br>boat | 隻數<br>No.<br>of | 生産<br>量<br>(ㄲ)<br>catch | 隻當<br>漁獲<br>量<br>(ㄲ)<br>catch<br>per<br>boat | 隻數<br>No.<br>of | 生産<br>量<br>(ㄲ)<br>catch | 隻當<br>漁獲<br>量<br>(ㄲ)<br>catch<br>per<br>boat | 隻數<br>No.<br>of | 生産<br>量<br>(ㄲ)<br>catch | 隻當<br>漁獲<br>量<br>(ㄲ)<br>catch<br>per<br>boat | 隻數<br>No.<br>of | 生産<br>量<br>(ㄲ)<br>catch | 隻當<br>漁獲<br>量<br>(ㄲ)<br>catch<br>per<br>boat |
| 大洋<br>Item<br>Ocean        |                 |                         |                                              |                 |                         |                                              |                 |                         |                                              |                 |                         |                                              |                 |                         |                                              |
| 合 計<br>Total               | 558             | 144,426                 | 259                                          | 501             | 147,651                 | 295                                          | 501             | 171,604                 | 343                                          | 482             | 162,726                 | 338                                          | 451             | 140,982                 | 313                                          |
| 太 平 洋<br>Pacific<br>Ocean  | 253             | 49,569                  | 196                                          | 257             | 68,771                  | 268                                          | 217             | 59,985                  | 276                                          | 223             | 51,597                  | 231                                          | 211             | 57,323                  | 272                                          |
| 大 西 洋<br>Atlantic<br>Ocean | 120             | 46,949                  | 391                                          | 117             | 35,383                  | 302                                          | 119             | 45,604                  | 383                                          | 108             | 40,006                  | 370                                          | 66              | 37,483                  | 568                                          |
| 印 度 洋<br>Indian<br>Ocean   | 185             | 47,908                  | 259                                          | 127             | 43,497                  | 342                                          | 165             | 66,015                  | 400                                          | 151             | 71,123                  | 471                                          | 174             | 46,176                  | 265                                          |

資料：農水産部 水産統計年報，1980.  
 Data source：Year book of fisheries statistics, 1980.  
 Ministry of Agriculture and fisheries, Republic of Kore





Ⅳ. 大洋別 海區別 漁種別 漁獲量(尾數) 및 努力量

Catch in number and effort data by  
species , area and by Ocean .



大洋別 月別 魚種別 總 漁獲量

Total catch by species,  
by month and by Ocean.



大洋別 月別 魚種別 總 漁獲量

Total catch by species,  
by month and by Ocean.



1. 大 西 洋 月 別 魚 種 別 漁 獲 量 (尾 数) 및 努 力 量

Monthly total catch in number and effort in the Atlantic Ocean, 1979

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| .          |             |            |             | 1562254             | 34262      |             | 9252        | 10618        |
| 2          |             |            |             | 1369838             | 22579      |             | 7601        | 4856         |
| 3          |             |            |             | 1673119             | 28492      |             | 6654        | 6993         |
| 4          |             |            |             | 1474324             | 20113      |             | 8517        | 4708         |
| 5          |             |            |             | 1105817             | 17475      |             | 4916        | 6406         |
| 6          |             |            |             | 876207              | 15409      |             | 4888        | 5462         |
| 7          |             |            |             | 911604              | 14714      |             | 8791        | 1281         |
| 8          |             |            |             | 1038789             | 14156      |             | 5596        | 1365         |
| 9          |             |            |             | 266729              | 17362      |             | 6005        | 2018         |
| 10         |             |            |             | 937598              | 15232      |             | 4575        | 1261         |
| 11         |             |            |             | 720528              | 11385      |             | 2129        | 2022         |
| 12         |             |            |             | 700647              | 14131      |             | 2621        | 5097         |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황 새 치<br>SWO | 녹 새 치<br>BUM | 백 새 치<br>WHM | 돛 새 치<br>SAI | 기타새치<br>OTB | 기 타<br>Others |
|-------------|-------------|--------------|--------------|--------------|--------------|-------------|---------------|
| 11632       |             | 645          | 83           | 69           | 1235         |             | 728           |
| 7684        |             | 531          | 77           |              | 605          | 78          | 1147          |
| 11990       |             | 689          | 122          |              | 780          | 116         | 1148          |
| 4880        |             | 639          | 29           |              | 542          | 130         | 668           |
| 3454        |             | 671          | 14           | 22           | 732          | 611         | 649           |
| 3435        |             | 376          | 4            |              | 312          | 224         | 708           |
| 3300        |             | 253          |              |              | 313          | 169         | 607           |
| 5305        |             | 568          |              |              | 895          | 131         | 296           |
| 7703        |             | 343          | 29           |              | 533          | 180         | 551           |
| 7661        |             | 633          | 101          |              | 309          | 129         | 563           |
| 5960        |             | 642          | 113          |              | 142          | 59          | 318           |
| 5186        |             | 531          | 49           |              | 283          | 99          | 265           |

2. 印度洋 月別 魚種別 漁獲量(尾数) 및 努力量

Monthly total catch in number and effort in the Indian Ocean, 1979

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 황다랭이<br>YFT | 날개다랭이<br>ALB | 눈다랭이<br>BET |
|------------|-------------|------------|-------------|---------------------|------------|-------------|--------------|-------------|
|            | 상한<br>quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |              |             |
|            |             |            |             | 3111641             | 52611      | 19957       | 1484         | 24884       |
| 1          |             |            |             | 3454542             | 73603      | 32566       | 1066         | 31183       |
| 3          |             |            |             | 4628959             | 69776      | 30044       | 2945         | 26039       |
| 4          |             |            |             | 4971316             | 91332      | 30292       | 9017         | 39924       |
| 5          |             |            |             | 5109214             | 95117      | 31433       | 4052         | 46614       |
| 6          |             |            |             | 4103198             | 60401      | 18512       | 2453         | 31503       |
| 7          |             |            |             | 4220210             | 61001      | 18233       | 1435         | 32425       |
| 8          |             |            |             | 4267955             | 61398      | 22737       | 3787         | 27840       |
| 9          |             |            |             | 4261042             | 65615      | 24605       | 4233         | 30026       |
| 10         |             |            |             | 3795842             | 64736      | 28635       | 1783         | 27669       |
| 11         |             |            |             | 3135436             | 54561      | 21564       | 1263         | 27643       |
| 12         |             |            |             | 2903258             | 47008      | 16726       | 1094         | 24329       |

| 가다랭이<br>SK J | 황새 치<br>SWO | 녹새 치<br>BUM | 청새 치<br>STM | 돛새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|--------------|-------------|-------------|-------------|-------------|---------------|-------------|---------------|
| 142          | 867         | 545         | 250         |             | 395           | 899         | 3188          |
| 193          | 714         | 826         | 664         | 345         | 421           | 2624        | 3001          |
| 167          | 416         | 912         | 1104        | 306         | 363           | 1591        | 5889          |
| 180          | 1057        | 1348        | 914         | 299         | 301           | 919         | 7081          |
| 233          | 733         | 1161        | 735         | 168         | 291           | 985         | 8712          |
| 91           | 523         | 940         | 464         | 286         | 414           | 1026        | 4189          |
| 93           | 1159        | 742         | 1307        | 150         | 718           | 1026        | 3713          |
| 129          | 392         | 765         | 1005        | 214         | 269           | 516         | 3744          |
|              | 478         | 936         | 463         | 122         | 819           | 490         | 3443          |
| 51           | 472         | 244         | 986         | 168         | 228           | 925         | 3575          |
| 85           | 522         | 717         | 748         | 59          | 306           | 687         | 967           |
| 72           | 471         | 962         | 520         | 108         | 663           | 976         | 1087          |

3. 太平洋 月別 魚種別 漁獲量(尾数) 및 努力量

Monthly total catch in number and effort in the Pacific Ocean, 1979

| 월<br>Month | 해 Area 역     |             |              | 낚 시 수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|--------------|-------------|--------------|-----------------------|------------|-------------|-------------|--------------|
|            | 상 한<br>quad. | 위 도<br>Lat. | 경 도<br>Long. |                       |            |             |             |              |
| 1          |              |             |              | 3326659               | 66738      | 300         | 27698       | 14855        |
| 2          |              |             |              | 2769589               | 51541      |             | 27979       | 6938         |
| 3          |              |             |              | 2785211               | 49237      |             | 25275       | 8927         |
| 4          |              |             |              | 2705347               | 65627      |             | 20081       | 31792        |
| 5          |              |             |              | 2806790               | 77208      |             | 26163       | 37048        |
| 6          |              |             |              | 2375250               | 59632      | 50          | 19637       | 24725        |
| 7          |              |             |              | 2556807               | 66084      | 35          | 20908       | 28014        |
| 8          |              |             |              | 2463052               | 63708      | 10          | 24336       | 22895        |
| 9          |              |             |              | 2264547               | 60248      | 16          | 27294       | 12309        |
| 10         |              |             |              | 2348378               | 55832      | 24          | 27612       | 7789         |
| 11         |              |             |              | 2022447               | 43994      |             | 16609       | 8372         |
| 12         |              |             |              | 2069788               | 50566      |             | 19824       | 14842        |



| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황 새 치<br>SWO | 늑 새 치<br>BUM | 청 새 치<br>STM | 돛 새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|-------------|--------------|--------------|--------------|--------------|---------------|-------------|---------------|
| 18841       | 461         | 201          | 980          | 379          | 1087         | 422           | 149         | 1365          |
| 12607       | 473         | 151          | 771          | 291          | 1086         | 153           | 44          | 1048          |
| 9780        | 587         | 145          | 799          | 162          | 1648         | 358           | 212         | 1344          |
| 8575        | 322         | 167          | 743          | 156          | 1074         | 285           | 112         | 2320          |
| 8871        | 309         | 171          | 643          | 187          | 1267         | 205           | 338         | 2006          |
| 8873        | 406         | 133          | 545          | 200          | 2302         | 425           | 330         | 2006          |
| 11796       | 233         | 160          | 669          | 481          | 1992         | 774           | 129         | 893           |
| 12778       | 207         | 158          | 512          | 151          | 251          | 653           | 255         | 1502          |
| 17221       | 375         | 160          | 570          | 102          | 760          | 536           | 207         | 698           |
| 15618       | 605         | 164          | 557          | 683          | 2167         | 308           | 102         | 203           |
| 14638       | 125         | 128          | 578          | 168          | 2834         | 299           | 94          | 149           |
| 11822       | 141         | 202          | 442          | 136          | 2196         | 134           | 368         | 459           |



大 西 洋

Atlantic Ocean



大 西 洋

Atlantic Ocean

| 월<br>Month | 해역<br>Area  |             |              | 낚시 수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|-------------|--------------|----------------------|------------|-------------|-------------|--------------|
|            | 가 방<br>Grid | 위 도<br>Lat. | 경 도<br>Long. |                      |            |             |             |              |
|            | 63          | 00          | 000          | 14580                | 308        |             | 38          | 1            |
|            | 63          | 00          | 005          | 2907                 | 51         |             | 7           | 1            |
|            | 63          | 00          | 015          | 11371                | 223        |             |             | 2            |
|            | 63          | 00          | 020          | 4840                 | 47         |             | 13          | 4            |
|            | 63          | 00          | 025          | 65004                | 857        |             | 373         | 37           |
|            | 63          | 00          | 030          | 87724                | 1404       |             | 652         | 425          |
|            | 63          | 00          | 035          | 31667                | 933        |             | 770         | 95           |
|            | 63          | 05          | 015          | 4758                 | 84         |             |             |              |
|            | 63          | 05          | 020          | 114366               | 1924       |             | 264         | 305          |
|            | 63          | 05          | 025          | 259553               | 8620       |             | 125         | 1209         |
|            | 63          | 05          | 030          | 29333                | 248        |             | 6           | 192          |
|            | 63          | 10          | 020          | 23792                | 359        |             | 5           | 278          |
|            | 63          | 10          | 025          | 77730                | 1442       |             | 27          | 1151         |
|            | 63          | 10          | 030          | 9597                 | 131        |             |             | 120          |
|            | 63          | 10          | 035          | 43950                | 1084       |             | 628         | 143          |
|            | 63          | 15          | 020          | 9845                 | 161        |             | 39          | 15           |
|            | 63          | 15          | 035          | 7220                 | 105        |             |             | 97           |
|            | 64          | 00          | 020          | 7501                 | 35         |             | 10          |              |
|            | 64          | 00          | 025          | 7500                 | 131        |             | 31          | 3            |
|            | 64          | 00          | 030          | 86081                | 2176       |             | 1229        | 100          |
|            | 64          | 00          | 035          | 65012                | 1840       |             | 1403        | 31           |
|            | 64          | 00          | 040          | 76672                | 1450       |             | 1121        | 16           |
|            | 64          | 00          | 045          | 5965                 | 94         |             | 50          | 12           |
|            | 64          | 05          | 020          | 3750                 | 24         |             | 10          |              |
|            | 64          | 05          | 025          | 18752                | 153        |             | 79          |              |
|            | 64          | 05          | 030          | 9324                 | 92         |             | 57          | 12           |
|            | 64          | 05          | 035          | 5626                 | 106        |             | 58          | 16           |
|            | 64          | 05          | 040          | 18621                | 516        |             | 339         | 9            |
|            | 64          | 05          | 045          | 72106                | 1654       |             | 317         | 136          |
|            | 64          | 10          | 030          | 43247                | 371        |             | 43          | 9            |
|            | 64          | 10          | 040          | 11251                | 62         |             | 12          | 32           |
|            | 64          | 10          | 045          | 26253                | 106        |             | 49          |              |



| 눈다랭이<br>BET | 가다랭이<br>GZJ | 환 새 치<br>SWO | 죽 새 치<br>BUM | 백 새 치<br>WHI | 꽃 새 치<br>PAI | 기타 새 치<br>JTB | 기<br>Others |
|-------------|-------------|--------------|--------------|--------------|--------------|---------------|-------------|
| 230         |             | 5            |              |              |              |               | 54          |
| 33          |             |              |              |              |              |               | 10          |
| 216         |             |              |              |              |              |               | 5           |
| 25          |             |              |              |              |              |               | 5           |
| 365         |             | 27           | 1            |              | 15           |               | 39          |
| 286         |             | 22           | 4            |              | 5            |               | 10          |
| 33          |             | 22           | 3            |              | 5            |               | 5           |
| 79          |             |              |              |              |              |               | 5           |
| 1251        |             | 36           | 9            |              | 15           |               | 44          |
| 6963        |             | 143          | 19           | 20           | 88           |               | 53          |
| 12          |             | 8            | 1            |              | 15           |               | 14          |
| 3           |             | 36           | 3            |              |              |               | 34          |
| 16          |             | 75           | 13           |              | 49           |               | 111         |
|             |             | 10           | 1            |              |              |               |             |
| 88          |             | 5            | 1            |              | 195          |               | 24          |
| 95          |             | 7            |              |              |              |               | 5           |
|             |             | 2            | 1            |              |              |               | 5           |
| 25          |             |              |              |              |              |               |             |
| 30          |             | 2            |              |              | 15           |               |             |
| 556         |             | 42           | 3            | 23           | 107          |               | 116         |
| 253         |             | 34           | 7            |              | 50           |               | 44          |
| 95          |             | 63           | 4            |              | 117          |               | 34          |
| 6           |             | 2            |              |              | 24           |               |             |
| 11          |             | 2            |              |              |              |               |             |
| 45          |             | 8            | 1            |              | 10           |               | 10          |
| 5           |             | 7            | 1            |              |              |               | 10          |
| 20          |             | 2            |              |              | 10           |               |             |
| 16          |             |              |              | 10           | 112          |               |             |
| 281         |             | 17           | 3            | 16           | 360          |               | 24          |
| 172         |             | 27           |              |              | 5            |               | 10          |
| 1           |             | 2            |              |              | 5            |               |             |
| 17          |             | 2            |              |              | 5            |               | 59          |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 2          | 64          | 25         | 070         | 5954                | 75         |             | 21          | 53           |
|            | 64          | 30         | 060         | 171087              | 4288       |             | 522         | 3608         |
|            | 64          | 30         | 065         | 113891              | 2644       |             | 343         | 2225         |
|            | 64          | 30         | 070         | 2766                | 38         |             | 14          | 24           |
|            | 64          | 35         | 055         | 12658               | 306        |             | 16          | 257          |
|            | 63          | 00         | 020         | 2953                | 4          |             | 1           |              |
|            | 63          | 00         | 025         | 32640               | 571        |             | 195         | 195          |
|            | 63          | 00         | 030         | 9739                | 86         |             | 55          | 5            |
|            | 63          | 00         | 035         | 8614                | 144        |             | 28          | 4            |
|            | 63          | 05         | 015         | 35441               | 788        |             | 6           | 88           |
|            | 63          | 05         | 020         | 33636               | 722        |             | 19          |              |
|            | 63          | 05         | 025         | 29392               | 451        |             | 3           | 23           |
|            | 63          | 05         | 030         | 35605               | 841        |             | 91          | 125          |
|            | 64          | 00         | 015         | 2461                | 31         |             | 5           | 4            |
|            | 64          | 00         | 020         | 66591               | 1320       |             | 918         | 52           |
|            | 64          | 00         | 025         | 88942               | 1103       |             | 512         | 23           |
|            | 64          | 00         | 030         | 137236              | 1923       |             | 1064        | 141          |
|            | 64          | 00         | 045         | 2871                | 51         |             | 24          | 1            |
|            | 64          | 05         | 020         | 90607               | 1733       |             | 962         | 58           |
|            | 64          | 05         | 025         | 284667              | 3713       |             | 997         | 121          |
|            | 64          | 05         | 030         | 75236               | 1344       |             | 933         | 20           |
|            | 64          | 05         | 035         | 2930                | 33         |             | 17          |              |
|            | 64          | 05         | 045         | 25160               | 357        |             | 118         | 49           |
|            | 64          | 05         | 050         | 31347               | 760        |             | 462         | 103          |
|            | 64          | 05         | 055         | 22502               | 238        |             | 202         | 2            |
|            | 64          | 10         | 025         | 18518               | 133        |             | 17          | 3            |
|            | 64          | 10         | 030         | 76789               | 809        |             | 131         | 14           |
|            | 64          | 10         | 035         | 17360               | 156        |             | 39          | 17           |
|            | 64          | 10         | 040         | 3150                | 48         |             | 9           | 13           |
|            | 64          | 10         | 045         | 3240                | 62         |             | 3           | 3            |
|            | 64          | 10         | 050         | 8694                | 378        |             | 132         | 19           |
|            | 64          | 10         | 065         | 5977                | 39         |             | 8           | 10           |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황새치<br>SWO | 녹새치<br>BUM | 백새치<br>WHM | 돛새치<br>SAI | 기타새치<br>OTB | 기 타<br>Others |
|-------------|-------------|------------|------------|------------|------------|-------------|---------------|
|             |             |            | 1          |            |            |             |               |
| 109         |             | 17         | 3          |            | 10         |             | 19            |
| 37          |             | 19         | 1          |            |            |             | 19            |
| 33          |             |            |            |            |            |             |               |
| 1           |             | 2          |            |            |            |             |               |
| 162         |             | 15         | 4          |            |            |             |               |
| 12          |             | 3          | 1          |            |            |             | 10            |
| 73          |             |            |            |            | 29         |             | 10            |
| 653         |             | 36         |            |            | 5          |             |               |
| 697         |             | 5          | 1          |            |            |             |               |
| 417         |             | 2          | 1          |            |            |             | 5             |
| 622         |             | 2          | 1          |            |            |             |               |
| 20          |             | 2          |            |            |            |             |               |
| 164         |             | 32         | 4          |            | 34         |             | 116           |
| 460         |             | 30         | 12         |            | 49         | 3           | 14            |
| 473         |             | 85         | 10         |            | 5          |             | 145           |
| 4           |             | 2          |            |            | 15         |             | 5             |
| 340         |             | 59         | 25         |            | 92         | 13          | 184           |
| 2329        |             | 104        | 3          |            | 88         | 3           | 68            |
| 258         |             | 30         | 1          |            | 68         |             | 34            |
| 11          |             |            |            |            |            |             | 5             |
| 89          |             |            | 1          |            | 97         | 3           |               |
| 25          |             | 5          |            |            | 44         |             | 121           |
| 2           |             | 2          | 1          |            | 29         |             |               |
| 97          |             | 10         | 1          |            | 5          |             |               |
| 595         |             | 44         | 1          |            | 10         |             | 14            |
| 92          |             | 7          | 1          |            |            |             |               |
|             |             | 2          |            |            | 10         |             | 14            |
| 3           |             |            |            |            |            |             | 53            |
| 15          |             | 3          | 1          |            | 10         |             | 198           |
|             |             |            | 1          |            |            | 10          | 10            |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 3          | 64          | 10         | 075         | 9681                | 143        |             | 12          | 91           |
|            | 64          | 15         | 045         | 3282                | 26         |             | 5           | 21           |
|            | 64          | 15         | 060         | 9230                | 92         |             | 39          | 34           |
|            | 64          | 15         | 065         | 21817               | 418        |             | 206         | 123          |
|            | 64          | 20         | 050         | 2860                | 28         |             | 1           | 15           |
|            | 64          | 20         | 065         | 8966                | 76         |             | 21          | 49           |
|            | 64          | 25         | 060         | 9036                | 109        |             | 18          | 62           |
|            | 64          | 25         | 065         | 38651               | 977        |             | 153         | 790          |
|            | 64          | 25         | 070         | 2625                | 72         |             | 9           | 62           |
|            | 64          | 30         | 060         | 39168               | 1154       |             | 84          | 1017         |
|            | 64          | 30         | 065         | 72224               | 1646       |             | 102         | 1499         |
|            | 63          | 00         | 025         | 76761               | 1193       |             | 504         | 5            |
|            | 63          | 00         | 030         | 14603               | 220        |             | 148         | 15           |
|            | 63          | 00         | 035         | 31832               | 423        |             | 279         | 18           |
|            | 63          | 05         | 015         | 8860                | 162        |             | 2           | 23           |
|            | 63          | 05         | 020         | 66745               | 1341       |             | 62          | 60           |
|            | 63          | 05         | 025         | 69044               | 1178       |             | 12          | 61           |
|            | 64          | 00         | 020         | 115636              | 1837       |             | 656         | 65           |
|            | 64          | 00         | 025         | 68991               | 1537       |             | 439         | 426          |
|            | 64          | 00         | 030         | 24647               | 896        |             | 312         |              |
|            | 64          | 00         | 035         | 53385               | 1864       |             | 588         | 3            |
|            | 64          | 00         | 040         | 18752               | 257        |             | 94          | 30           |
|            | 64          | 00         | 045         | 22502               | 396        |             | 119         | 86           |
|            | 64          | 05         | 020         | 187054              | 2277       |             | 406         | 26           |
|            | 64          | 05         | 025         | 55652               | 969        |             | 83          | 16           |
|            | 64          | 05         | 030         | 101844              | 1273       |             | 383         | 54           |
|            | 64          | 05         | 035         | 76096               | 822        |             | 399         | 40           |
|            | 64          | 05         | 050         | 58149               | 825        |             | 557         | 99           |
|            | 64          | 05         | 055         | 30190               | 523        |             | 293         | 94           |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황 새 치<br>SWO | 녹 새 치<br>BUM | 백 새 치<br>WHM | 돛 새 치<br>SAI | 기타새치<br>OTB | 기 타<br>Others |
|-------------|-------------|--------------|--------------|--------------|--------------|-------------|---------------|
| 1           |             |              |              |              |              | 20          | 19            |
| 2           |             | 2            | 1            |              |              |             | 14            |
| 9           |             | 8            | 3            |              |              | 6           | 63            |
| 1           |             |              | 1            |              |              |             | 10            |
|             |             |              | 1            |              |              |             | 5             |
| 2           |             | 2            |              |              |              | 20          | 5             |
| 8           |             | 5            | 1            |              | 10           |             | 10            |
| 1           |             |              |              |              |              |             |               |
| 28          |             | 20           |              |              |              |             | 5             |
| 18          |             | 12           |              |              | 5            |             | 10            |
| 641         |             | 17           | 7            |              | 19           |             |               |
| 23          |             | 15           | 3            |              |              | 6           | 10            |
| 91          |             | 22           | 13           |              |              |             |               |
| 105         |             | 7            |              |              | 19           | 6           |               |
| 1090        |             | 61           |              |              | 15           |             | 53            |
| 1024        |             | 27           | 1            |              | 34           |             | 19            |
| 629         |             | 78           | 42           |              | 63           | 33          | 271           |
| 254         |             | 27           | 10           |              | 268          | 7           | 106           |
| 551         |             | 3            | 1            |              | 29           |             |               |
| 1257        |             | 5            | 1            |              | 10           |             |               |
| 88          |             | 15           | 1            |              | 29           |             |               |
| 138         |             | 8            | 1            |              | 44           |             |               |
| 1507        |             | 119          | 6            |              | 5            |             | 208           |
| 765         |             | 24           | 3            |              | 5            |             | 73            |
| 680         |             | 48           | 1            |              | 15           |             | 92            |
| 309         |             | 34           | 6            |              | 24           |             | 10            |
| 34          |             | 17           | 6            |              | 49           |             | 63            |
| 58          |             |              |              |              | 44           |             | 34            |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
|            | 64          | 10         | 020         | 7070                | 86         |             | 13          |              |
|            | 64          | 10         | 025         | 104472              | 1839       |             | 78          | 7            |
|            | 64          | 10         | 030         | 65509               | 758        |             | 102         | 30           |
|            | 64          | 10         | 035         | 30289               | 287        |             | 84          | 36           |
|            | 64          | 10         | 040         | 19886               | 182        |             | 63          | 22           |
|            | 64          | 10         | 050         | 5865                | 62         |             | 41          | 12           |
|            | 64          | 10         | 055         | 27325               | 321        |             | 126         | 102          |
|            | 64          | 10         | 060         | 5391                | 39         |             | 17          | 2            |
|            | 64          | 10         | 070         | 21506               | 413        |             | 227         | 85           |
|            | 64          | 15         | 060         | 4808                | 40         |             | 10          | 9            |
|            | 64          | 15         | 065         | 33307               | 418        |             | 139         | 132          |
|            | 64          | 15         | 070         | 21506               | 30         |             | 4           | 22           |
|            | 64          | 20         | 055         | 5086                | 59         |             | 10          | 43           |
|            | 64          | 20         | 060         | 5160                | 45         |             | 1           | 39           |
|            | 64          | 25         | 060         | 26628               | 388        |             | 39          | 340          |
|            | 64          | 25         | 065         | 9985                | 193        |             | 15          | 175          |
|            | 64          | 30         | 055         | 61319               | 1878       |             | 65          | 1699         |
|            | 64          | 00         | 060         | 103558              | 2736       |             | 230         | 2460         |
|            | 64          | 00         | 065         | 19783               | 362        |             | 31          | 322          |
|            | 64          | 00         | 070         | 13923               | 363        |             | 23          | 335          |
| 4          | 63          | 00         | 010         | 444879              | 1304       |             | 498         | 77           |
|            | 63          | 00         | 015         | 28902               | 682        |             | 6           | 21           |
|            | 63          | 00         | 020         | 25400               | 460        |             | 231         | 16           |
|            | 63          | 00         | 025         | 4840                | 71         |             | 29          | 14           |
|            | 64          | 00         | 015         | 41160               | 541        |             | 408         | 26           |
|            | 64          | 00         | 020         | 97030               | 1852       |             | 1446        | 40           |
|            | 64          | 00         | 025         | 14860               | 3891       |             | 2695        | 116          |
|            | 64          | 05         | 020         | 31625               | 356        |             | 166         |              |
|            | 64          | 05         | 025         | 42811               | 518        |             | 90          | 11           |
|            | 64          | 05         | 030         | 95138               | 1572       |             | 270         | 36           |



| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황 새 치<br>SWO | 늑 새 치<br>BUM | 백 새 치<br>WHM | 돛 새 치<br>SAI | 기타새치<br>OTB | 기 타<br>Others |
|-------------|-------------|--------------|--------------|--------------|--------------|-------------|---------------|
| 64          |             | 8            | 1            |              |              |             |               |
| 1692        |             | 41           | 1            |              | 10           |             | 10            |
| 585         |             | 20           | 1            |              | 15           |             | 5             |
| 141         |             | 10           | 1            |              | 10           |             | 5             |
| 54          |             | 37           | 1            |              |              |             | 5             |
| 2           |             | 2            |              |              | 5            |             |               |
| 19          |             | 5            | 1            |              | 10           |             | 58            |
| 6           |             |              |              |              |              |             | 14            |
| 22          |             | 8            | 4            |              |              | 33          | 34            |
| 1           |             |              | 1            |              | 19           |             |               |
| 10          |             | 14           | 8            |              | 29           | 13          | 73            |
|             |             |              | 1            |              |              | 3           |               |
| 1           |             |              |              |              | 5            |             |               |
|             |             |              |              |              | 5            |             |               |
| 3           |             |              |              |              |              | 6           |               |
|             |             |              |              |              |              | 3           |               |
| 104         |             | 10           |              |              |              |             |               |
| 30          |             | 5            |              |              |              | 6           | 5             |
| 9           |             |              |              |              |              |             |               |
| 3           |             | 2            |              |              |              |             |               |
| 691         |             | 19           |              |              | 19           |             |               |
| 616         |             | 20           |              |              |              |             | 19            |
| 186         |             | 22           |              |              |              |             | 5             |
| 21          |             | 2            |              |              |              |             | 5             |
| 66          |             | 12           |              |              | 10           |             | 19            |
| 149         |             | 59           | 7            |              | 15           |             | 136           |
| 507         |             | 187          | 22           |              | 44           | 20          | 300           |
| 170         |             | 20           |              |              |              |             |               |
| 404         |             | 8            |              |              |              |             | 5             |
| 1189        |             | 29           |              |              |              |             | 48            |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quar. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 5          | 64          | 05         | 035         | 12634               | 147        |             | 78          | 16           |
|            | 64          | 05         | 040         | 3300                | 32         |             | 9           | 5            |
|            | 64          | 05         | 045         | 45942               | 554        |             | 313         | 148          |
|            | 64          | 05         | 050         | 106527              | 1310       |             | 777         | 128          |
|            | 64          | 05         | 055         | 11720               | 147        |             | 96          | 10           |
|            | 64          | 10         | 025         | 14533               | 119        |             | 22          |              |
|            | 64          | 10         | 030         | 43598               | 499        |             | 84          | 2            |
|            | 64          | 10         | 045         | 8925                | 77         |             | 19          | 33           |
|            | 64          | 10         | 050         | 37982               | 350        |             | 193         | 58           |
|            | 64          | 10         | 055         | 76939               | 1034       |             | 561         | 271          |
|            | 64          | 10         | 060         | 2696                | 24         |             | 6           | 5            |
|            | 64          | 10         | 065         | 9681                | 119        |             | 34          | 56           |
|            | 64          | 15         | 025         | 7266                | 35         |             | 2           | 1            |
|            | 64          | 15         | 065         | 6270                | 50         |             | 7           | 21           |
|            | 64          | 20         | 065         | 28831               | 303        |             | 88          | 169          |
|            | 64          | 20         | 070         | 3328                | 54         |             | 5           | 29           |
|            | 64          | 25         | 065         | 12757               | 214        |             | 32          | 170          |
|            | 64          | 25         | 070         | 15770               | 173        |             | 25          | 113          |
|            | 64          | 30         | 065         | 84349               | 1419       |             | 68          | 1295         |
|            | 64          | 30         | 070         | 114631              | 2206       |             | 259         | 1821         |
|            | 63          | 00         | 020         | 3938                | 34         |             | 14          | 5            |
|            | 63          | 00         | 025         | 3657                | 8          |             | 1           | 2            |
|            | 63          | 00         | 030         | 6563                | 54         |             | 5           | 8            |
|            | 64          | 00         | 015         | 42754               | 430        |             | 139         |              |
|            | 64          | 00         | 020         | 32312               | 265        |             | 99          | 28           |
|            | 64          | 00         | 025         | 120411              | 1327       |             | 807         | 75           |
|            | 64          | 00         | 030         | 57217               | 780        |             | 437         | 25           |
|            | 64          | 00         | 035         | 29534               | 317        |             | 123         | 38           |
|            | 64          | 00         | 040         | 62350               | 608        |             | 292         | 90           |
|            | 64          | 00         | 045         | 3281                | 12         |             | 3           | 2            |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황 새 치<br>SWO | 녹 새 치<br>· BUM | 백 새 치<br>WHM | 돛 새 치<br>SAI | 기타새치<br>OTB | 기 타<br>Others |
|-------------|-------------|--------------|----------------|--------------|--------------|-------------|---------------|
| 34          |             | 14           |                |              |              |             | 5             |
| 3           |             | 10           |                |              |              |             | 5             |
| 88          |             | 5            |                |              |              |             |               |
| 159         |             | 51           |                |              | 166          |             | 29            |
| 2           |             |              |                |              | 39           |             |               |
| 77          |             | 10           |                |              | 5            |             | 5             |
| 261         |             | 54           |                |              | 88           |             | 10            |
| 6           |             | 19           |                |              |              |             |               |
| 58          |             | 36           |                |              | 5            |             |               |
| 80          |             | 25           |                |              | 97           |             |               |
| 3           |             |              |                |              | 10           |             |               |
| 4           |             |              |                |              |              | 6           | 19            |
| 17          |             | 10           |                |              |              |             | 5             |
| 4           |             | 2            |                |              |              | 6           | 10            |
| 12          |             | 5            |                |              |              | 10          | 19            |
|             |             |              |                |              |              | 20          |               |
|             |             |              |                |              |              | ·           |               |
| 4           |             |              |                |              | 5            | 3           |               |
|             |             |              |                |              | 15           | 20          |               |
| 31          |             | 12           |                |              | 5            | 3           | 5             |
| 38          |             | 8            |                |              | 19           | 42          | 19            |
| 10          |             |              |                |              |              |             | 5             |
| 5           |             |              |                |              |              |             |               |
| 39          |             | 2            |                |              |              |             |               |
| 286         |             | 5            |                |              |              |             |               |
| 79          |             | 25           |                |              | 15           |             | 19            |
| 276         |             | 41           | 4              |              | 24           | 3           | 97            |
| 267         |             | 7            |                |              |              |             | 44            |
| 121         |             | 30           |                |              |              |             | 5             |
| 160         |             | 53           |                |              | 5            | 3           | 5             |
| 4           |             | 3            |                |              |              |             |               |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
|            | 64          | 05         | 015         | 8790                | 130        |             | 13          | 7            |
|            | 64          | 05         | 020         | 51333               | 876        |             | 273         | 28           |
|            | 64          | 05         | 025         | 8924                | 126        |             | 94          | 3            |
|            | 64          | 05         | 030         | 60775               | 389        |             | 190         | 42           |
|            | 64          | 05         | 035         | 37954               | 376        |             | 191         | 13           |
|            | 64          | 05         | 040         | 20920               | 268        |             | 76          | 6            |
|            | 64          | 05         | 045         | 81407               | 1399       |             | 661         | 72           |
|            | 64          | 05         | 050         | 2285                | 23         |             | 8           |              |
|            | 64          | 10         | 020         | 52224               | 512        |             | 163         |              |
|            | 64          | 10         | 030         | 17064               | 217        |             | 143         | 3            |
|            | 64          | 10         | 035         | 30866               | 458        |             | 254         | 20           |
|            | 64          | 10         | 055         | 3516                | 24         |             | 7           | 8            |
|            | 64          | 10         | 060         | 24325               | 321        |             | 74          | 133          |
|            | 64          | 10         | 065         | 12464               | 144        |             | 67          | 42           |
|            | 64          | 15         | 060         | 2871                | 59         |             |             | 35           |
|            | 64          | 15         | 065         | 21117               | 419        |             | 41          | 190          |
|            | 64          | 20         | 060         | 2871                | 69         |             | 2           | 35           |
|            | 64          | 20         | 065         | 198323              | 5026       |             | 458         | 3657         |
|            | 64          | 20         | 070         | 105771              | 2804       |             | 281         | 1839         |
| 6          | 63          | 05         | 015         | 32816               | 583        |             | 99          | 1            |
|            | 63          | 05         | 020         | 55272               | 1105       |             | 69          | 48           |
|            | 64          | 00         | 030         | 19280               | 365        |             | 197         | 54           |
|            | 64          | 00         | 035         | 2438                | 20         |             | 7           | 2            |
|            | 64          | 00         | 040         | 12189               | 191        |             | 30          | 30           |
|            | 64          | 00         | 045         | 4876                | 44         |             | 10          | 16           |
|            | 64          | 05         | 015         | 66570               | 803        |             | 311         |              |
|            | 64          | 05         | 020         | 33004               | 345        |             | 102         |              |
|            | 64          | 05         | 025         | 115828              | 1612       |             | 1199        | 60           |
|            | 64          | 05         | 030         | 69777               | 792        |             | 471         | 24           |
|            | 64          | 05         | 035         | 8684                | 138        |             | 24          | 6            |
|            | 64          | 05         | 040         | 4952                | 49         |             | 4           | 3            |
|            | 64          | 05         | 045         | 69933               | 792        |             | 278         | 54           |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황 새 치<br>SWO | 녹 새 치<br>BUM | 백 새 치<br>WHM | 돛 새 치<br>SAI | 기타새치<br>OTB | 기 타<br>Others |
|-------------|-------------|--------------|--------------|--------------|--------------|-------------|---------------|
| 103         |             | 7            |              |              |              |             |               |
| 514         |             | 41           |              |              | 10           |             | 10            |
| 5           |             | 5            |              |              | 5            |             | 14            |
| 76          |             | 37           |              |              | 5            |             | 39            |
| 129         |             | 19           |              |              | 10           |             | 14            |
| 176         |             |              |              |              |              |             | 10            |
| 598         |             | 24           |              |              | 15           |             | 29            |
| 13          |             | 2            |              |              |              |             |               |
| 330         |             |              |              |              | 19           |             |               |
| 54          |             | 7            |              |              | 5            |             | 5             |
| 108         |             | 32           |              |              | 15           |             | 29            |
| 4           |             |              |              |              | 5            |             |               |
| 9           |             | 8            |              |              |              |             | 97            |
| 3           |             | 3            |              |              |              |             | 29            |
|             |             |              |              |              | 24           |             |               |
| 5           |             | 3            |              |              | 122          |             | 58            |
|             |             | 3            |              |              | 29           |             |               |
| 50          |             | 306          | 10           | 6            | 346          | 111         | 82            |
| 30          |             | 8            |              | 16           | 78           | 494         | 58            |
| 464         |             |              |              |              |              |             | 19            |
| 929         |             | 39           |              |              | 15           |             | 5             |
| 51          |             | 2            |              |              |              | 3           | 58            |
| 11          |             |              |              |              |              |             |               |
| 109         |             | 7            |              |              | 5            |             | 10            |
| 18          |             |              |              |              |              |             |               |
| 476         |             | 10           | 1            |              |              |             | 5             |
| 209         |             |              |              |              | 34           |             |               |
| 248         |             | 20           | 1            |              | 10           | 6           | 68            |
| 219         |             | 19           |              |              | 15           |             | 44            |
| 98          |             | 5            |              |              |              |             | 5             |
| 40          |             | 2            |              |              |              |             |               |
| 366         |             | 22           |              |              | 19           |             | 53            |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 7          | 64          | 05         | 050         | 3282                | 57         |             | 48          |              |
|            | 64          | 05         | 055         | 14767               | 349        |             | 312         |              |
|            | 64          | 10         | 030         | 54746               | 656        |             | 434         | 8            |
|            | 64          | 10         | 050         | 5977                | 58         |             | 23          | 15           |
|            | 64          | 10         | 065         | 29534               | 690        |             | 39          | 507          |
|            | 64          | 15         | 060         | 27404               | 521        |             | 406         | 99           |
|            | 64          | 15         | 065         | 57381               | 1608       |             | 614         | 759          |
|            | 64          | 20         | 060         | 9423                | 182        |             | 7           | 159          |
|            | 64          | 20         | 065         | 59778               | 1170       |             | 81          | 894          |
|            | 64          | 20         | 070         | 100977              | 3011       |             | 102         | 2513         |
|            | 64          | 25         | 065         | 5776                | 61         |             | 4           | 54           |
|            | 64          | 25         | 070         | 11543               | 207        |             | 17          | 156          |
|            | 63          | 00         | 015         | 95729               | 1519       |             | 669         |              |
|            | 63          | 05         | 015         | 2379                | 12         |             |             |              |
|            | 63          | 05         | 020         | 45356               | 920        |             | 16          | 52           |
|            | 64          | 00         | 020         | 2461                | 18         |             | 7           |              |
|            | 64          | 05         | 015         | 7501                | 52         |             | 21          |              |
|            | 64          | 05         | 025         | 40772               | 573        |             | 268         | 170          |
|            | 64          | 05         | 030         | 117007              | 1909       |             | 1140        | 189          |
|            | 64          | 05         | 035         | 29804               | 443        |             | 176         | 44           |
|            | 64          | 05         | 045         | 12540               | 113        |             | 97          | 3            |
|            | 64          | 05         | 050         | 15951               | 88         |             | 34          | 2            |
|            | 64          | 05         | 055         | 15365               | 218        |             | 141         | 11           |
|            | 64          | 10         | 030         | 6563                | 71         |             | 12          |              |
|            | 64          | 10         | 035         | 59069               | 704        |             | 273         | 14           |
|            | 64          | 10         | 055         | 33006               | 358        |             | 93          | 40           |
|            | 64          | 10         | 060         | 110807              | 1810       |             | 1507        | 84           |
|            | 64          | 10         | 065         | 169117              | 3542       |             | 2854        | 90           |
|            | 64          | 10         | 070         | 15013               | 264        |             | 135         | 26           |



| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황 새 치<br>SWO | 녹 새 치<br>BUM | 백 새 치<br>WHM | 돛 새 치<br>SAI | 기타새치<br>OTB | 기 타<br>Others |
|-------------|-------------|--------------|--------------|--------------|--------------|-------------|---------------|
| 4           |             | 3            |              |              | 5<br>34      |             |               |
| 129         |             | 27           |              |              | 24           |             | 34            |
| 10          |             |              |              |              | 10           |             |               |
| 3           |             | 15           |              |              |              |             | 126           |
| 5           |             | 8            |              |              |              | 3           |               |
| 17          |             | 24           |              |              | 10           |             | 184           |
| 1           |             | 5            |              |              |              | 10          |               |
| 4           |             | 75           | 1            |              | 29           | 52          | 34            |
| 14          |             | 71           | 1            |              | 102          | 150         | 58            |
|             |             | 3            |              |              |              |             |               |
| 10          |             | 19           |              |              |              |             | 5             |
| 850         |             |              |              |              |              |             |               |
| 12          |             |              |              |              |              |             |               |
| 808         |             | 24           |              |              | 15           |             | 5             |
|             |             | 10           |              |              |              |             | 1             |
| 31          |             |              |              |              |              |             |               |
| 84          |             | 2            |              |              | 10           |             | 39            |
| 433         |             | 15           |              |              | 5            | 6           | 121           |
| 196         |             | 17           |              |              | 5            |             | 5             |
| 8           |             |              |              |              | 5            |             |               |
| 15          |             |              |              |              |              | 3           | 34            |
| 44          |             | 12           |              |              |              |             | 10            |
| 52          |             | 7            |              |              |              |             |               |
| 373         |             | 44           |              |              |              |             |               |
| 83          |             | 22           |              |              | 83           | 3           | 34            |
| 93          |             | 20           |              |              | 83           | 23          |               |
| 139         |             | 25           |              |              | 102          | 42          | 290           |
| 9           |             | 2            |              |              |              | 92          |               |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 8          | 64          | 15         | 060         | 26171               | 350        |             | 286         | 37           |
|            | 64          | 15         | 065         | 57298               | 1183       |             | 981         | 76           |
|            | 64          | 20         | 060         | 2888                | 31         |             | 2           | 29           |
|            | 64          | 20         | 065         | 20142               | 226        |             | 19          | 181          |
|            | 64          | 20         | 070         | 23102               | 245        |             | 22          | 216          |
|            | 64          | 25         | 025         | 3563                | 65         |             | 38          | 17           |
|            | 63          | 00         | 015         | 18002               | 185        |             | 69          |              |
|            | 63          | 05         | 015         | 20229               | 376        |             | 65          | 69           |
|            | 63          | 05         | 020         | 9323                | 149        |             | 11          | 24           |
|            | 64          | 05         | 025         | 129360              | 1670       |             | 1148        | 39           |
|            | 64          | 05         | 030         | 32942               | 391        |             | 207         | 71           |
|            | 64          | 05         | 035         | 61389               | 930        |             | 381         | 33           |
|            | 64          | 05         | 040         | 66590               | 730        |             | 328         | 74           |
|            | 64          | 05         | 045         | 22690               | 297        |             | 95          | 17           |
|            | 64          | 05         | 050         | 79196               | 910        |             | 527         | 81           |
|            | 64          | 05         | 055         | 3340                | 119        |             | 17          | 3            |
|            | 64          | 10         | 015         | 3141                | 45         |             | 30          | 3            |
|            | 64          | 10         | 020         | 3094                | 15         |             | 6           | 2            |
|            | 64          | 10         | 025         | 3478                | 7          |             | 1           | 2            |
|            | 64          | 10         | 035         | 136028              | 1778       |             | 189         | 55           |
|            | 64          | 10         | 040         | 109362              | 1541       |             | 206         | 18           |
|            | 64          | 10         | 045         | 38172               | 501        |             | 21          | 23           |
|            | 64          | 10         | 050         | 14348               | 243        |             | 64          | 70           |
|            | 64          | 10         | 055         | 61168               | 873        |             | 248         | 61           |
|            | 64          | 10         | 060         | 38575               | 489        |             | 331         | 32           |
|            | 64          | 10         | 065         | 100041              | 1678       |             | 1139        | 197          |
|            | 64          | 10         | 070         | 12076               | 452        |             | 346         | 48           |
|            | 64          | 15         | 025         | 3821                | 22         |             | 9           |              |
|            | 64          | 15         | 055         | 10977               | 120        |             | 25          | 86           |
|            | 64          | 15         | 060         | 3126                | 25         |             | 16          | 1            |
|            | 64          | 15         | 065         | 6251                | 97         |             | 67          | 7            |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황새치<br>SWO | 녹새치<br>BUM | 백새치<br>WHM | 돛새치<br>SAI | 기타새치<br>OTB | 기 타<br>Others |
|-------------|-------------|------------|------------|------------|------------|-------------|---------------|
| 13          |             | 14         |            |            |            |             |               |
| 45          |             | 8          |            |            | 5          |             | 68            |
|             |             |            |            |            |            |             |               |
| 2           |             | 24         |            |            |            |             |               |
|             |             | 7          |            |            |            |             |               |
|             |             |            |            |            |            |             |               |
| 10          |             |            |            |            |            |             |               |
|             |             |            |            |            |            |             |               |
| 116         |             |            |            |            |            |             |               |
|             |             |            |            |            |            |             |               |
| 242         |             |            |            |            |            |             |               |
| 114         |             |            |            |            |            |             |               |
|             |             |            |            |            |            |             |               |
| 397         |             | 10         |            |            | 15         | 3           | 58            |
| 81          |             | 5          |            |            |            | 3           | 24            |
| 464         |             | 15         |            |            | 5          | 3           | 29            |
| 286         |             | 8          |            |            | 15         |             | 19            |
| 32          |             | 148        |            |            | 5          |             |               |
| 73          |             | 185        |            |            | 44         |             |               |
| 13          |             |            |            |            | 83         | 3           |               |
|             |             |            |            |            |            |             |               |
| 7           |             |            |            |            |            |             | 5             |
| 2           |             |            |            |            | 5          |             |               |
| 4           |             |            |            |            |            |             |               |
| 1466        |             | 48         |            |            | 10         |             | 10            |
| 1244        |             | 19         |            |            | 49         |             | 5             |
| 439         |             | 3          |            |            | 15         |             |               |
| 65          |             |            |            |            | 44         |             |               |
| 83          |             | 93         |            |            | 336        | 42          | 10            |
| 37          |             | 25         |            |            |            | 6           | 58            |
| 78          |             | 3          |            |            | 156        | 42          | 63            |
| 4           |             |            |            |            | 44         |             | 10            |
|             |             |            |            |            |            |             |               |
| 13          |             |            |            |            |            |             |               |
| 1           |             | 2          |            |            |            | 6           |               |
| 5           |             |            |            |            |            | 3           |               |
| 3           |             |            |            |            |            | 20          |               |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 9          | 64          | 20         | 060         | 5349                | 25         |             | 4           | 17           |
|            | 64          | 20         | 065         | 14945               | 129        |             | 25          | 99           |
|            | 64          | 20         | 070         | 2574                | 14         |             | 2           | 11           |
|            | 64          | 25         | 070         | 2888                | 11         |             | 4           | 7            |
|            | 64          | 35         | 060         | 2578                | 14         |             |             | 2            |
|            | 64          | 40         | 040         | 3106                | 18         |             | 5           | 7            |
|            | 64          | 40         | 050         | 10314               | 206        |             | 1           | 185          |
|            | 64          | 40         | 060         | 5157                | 83         |             | 7           | 21           |
|            | 64          | 40         | 065         | 5157                | 13         |             | 2           |              |
|            | 63          | 05         | 015         | 142103              | 2480       |             | 163         | 137          |
|            | 63          | 05         | 020         | 65263               | 1089       |             | 46          | 64           |
|            | 63          | 05         | 025         | 39533               | 581        |             | 37          | 49           |
|            | 64          | 00         | 005         | 7761                | 90         |             | 28          | 17           |
|            | 64          | 00         | 015         | 26491               | 310        |             | 45          | 32           |
|            | 64          | 00         | 020         | 7466                | 85         |             | 46          | 3            |
|            | 64          | 00         | 025         | 3657                | 14         |             | 5           | 2            |
|            | 64          | 00         | 030         | 10884               | 54         |             | 34          | 11           |
|            | 64          | 00         | 035         | 3118                | 54         |             | 14          | 34           |
|            | 64          | 00         | 040         | 51451               | 818        |             | 336         | 252          |
|            | 64          | 00         | 045         | 3750                | 28         |             | 18          | 5            |
|            | 64          | 05         | 020         | 48638               | 425        |             | 76          | 53           |
|            | 64          | 05         | 025         | 82693               | 825        |             | 445         | 100          |
|            | 64          | 05         | 030         | 24167               | 188        |             | 87          | 36           |
|            | 64          | 05         | 035         | 3106                | 29         |             | 17          | 2            |
|            | 64          | 05         | 040         | 25409               | 393        |             | 104         | 68           |
|            | 64          | 05         | 045         | 71580               | 926        |             | 293         | 92           |
|            | 64          | 05         | 050         | 28937               | 183        |             | 47          | 30           |
|            | 64          | 10         | 020         | 11251               | 49         |             | 22          |              |
|            | 64          | 10         | 025         | 16449               | 181        |             | 79          | 1            |
|            | 64          | 10         | 030         | 37445               | 243        |             | 25          | 6            |
|            | 64          | 10         | 035         | 118673              | 2081       |             | 245         | 69           |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황 새 치<br>SWO | 녹 새 치<br>BUM | 백 새 치<br>WHM | 돛 새 치<br>SAI | 기타새치<br>OTB | 기 타<br>Others |
|-------------|-------------|--------------|--------------|--------------|--------------|-------------|---------------|
| 2           |             | 2            |              |              |              |             |               |
| 3           |             | 2            |              |              |              |             |               |
| 1           |             |              |              |              |              |             |               |
| 2           |             |              |              |              | 10           |             |               |
| 1           |             |              |              |              | 5            |             |               |
| 15          |             |              |              |              | 5            |             |               |
| 11          |             |              |              |              | 44           |             |               |
| 1           |             |              |              |              | 5            |             | 5             |
| 1997        |             | 59           | 23           |              | 54           | 13          | 34            |
| 903         |             | 54           |              |              | 5            | 3           | 14            |
| 438         |             | 24           |              |              | 15           | 13          | 5             |
| 42          |             | 3            |              |              |              |             |               |
| 212         |             | 15           | 6            |              |              |             |               |
| 31          |             | 5            |              |              |              |             |               |
| 2           |             |              |              |              |              |             | 5             |
| 9           |             |              |              |              |              |             |               |
| 1           |             |              |              |              | 5            |             |               |
| 58          |             | 14           |              |              | 126          | 13          | 19            |
|             |             |              |              |              |              |             | 5             |
| 247         |             | 5            |              |              |              |             | 44            |
| 225         |             | 3            |              |              | 5            | 3           | 44            |
| 58          |             | 2            |              |              |              |             | 5             |
| 10          |             |              |              |              |              |             |               |
| 167         |             |              |              |              | 49           |             | 5             |
| 428         |             | 5            |              |              | 49           | 6           | 53            |
| 39          |             | 3            |              |              | 44           | 10          | 10            |
| 22          |             |              |              |              | 5            |             |               |
| 84          |             |              |              |              |              | 3           | 14            |
| 199         |             | 3            |              |              | 10           |             |               |
| 1684        |             | 44           |              |              | 19           | 6           | 14            |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 10         | 64          | 10         | 040         | 16414               | 138        |             | 12          | 6            |
|            | 64          | 10         | 045         | 65664               | 634        |             | 73          | 13           |
|            | 64          | 10         | 055         | 2637                | 21         |             | 4           | 5            |
|            | 64          | 10         | 060         | 16689               | 253        |             | 170         | 39           |
|            | 64          | 10         | 065         | 41216               | 462        |             | 295         | 66           |
|            | 64          | 10         | 070         | 49825               | 974        |             | 585         | 258          |
|            | 64          | 10         | 075         | 3126                | 29         |             | 21          | 3            |
|            | 64          | 15         | 045         | 3047                | 25         |             | 4           | 11           |
|            | 64          | 15         | 065         | 111470              | 2039       |             | 1393        | 267          |
|            | 64          | 15         | 070         | 51951               | 1555       |             | 1164        | 265          |
|            | 64          | 15         | 075         | 6094                | 106        |             | 72          | 22           |
|            | 63          | 00         | 020         | 3164                | 39         |             | 8           | 2            |
|            | 63          | 00         | 025         | 57674               | 1313       |             | 83          | 56           |
|            | 63          | 00         | 030         | 29124               | 291        |             | 74          | 26           |
|            | 63          | 00         | 035         | 11438               | 51         |             | 28          | 1            |
|            | 63          | 00         | 040         | 7838                | 78         |             | 28          | 37           |
|            | 63          | 05         | 020         | 59291               | 663        |             | 20          | 47           |
|            | 63          | 05         | 025         | 170410              | 3264       |             | 80          | 146          |
|            | 63          | 05         | 030         | 18218               | 152        |             | 73          | 16           |
|            | 64          | 00         | 015         | 80748               | 1164       |             | 172         | 6            |
|            | 64          | 00         | 020         | 34269               | 691        |             | 41          | 19           |
|            | 64          | 00         | 025         | 32582               | 627        |             | 37          | 42           |
|            | 64          | 00         | 035         | 6873                | 48         |             | 20          | 12           |
|            | 64          | 00         | 040         | 43111               | 691        |             | 473         | 101          |
|            | 64          | 05         | 015         | 24448               | 307        |             | 17          |              |
|            | 64          | 05         | 030         | 6639                | 53         |             | 21          | 2            |
|            | 64          | 05         | 035         | 12874               | 123        |             | 44          | 4            |
|            | 64          | 05         | 040         | 23182               | 245        |             | 99          | 51           |
|            | 64          | 05         | 045         | 36511               | 360        |             | 94          | 13           |
|            | 64          | 10         | 025         | 19739               | 203        |             | 44          |              |
|            | 64          | 10         | 060         | 62441               | 1312       |             | 820         | 167          |
|            | 64          | 10         | 065         | 77415               | 1158       |             | 585         | 220          |



| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황 새 치<br>SWO | 녹 새 치<br>BUM | 백 새 치<br>WHM | 돛 새 치<br>SAI | 기타새치<br>OTB | 기 타<br>Others |
|-------------|-------------|--------------|--------------|--------------|--------------|-------------|---------------|
| 112         |             |              |              |              | 5            | 3           |               |
| 517         |             |              |              |              | 15           | 16          |               |
| 2           |             |              |              |              |              |             | 10            |
| 12          |             | 22           |              |              |              |             | 10            |
| 35          |             | 10           |              |              | 24           | 13          | 19            |
| 32          |             | 2            |              |              | 44           | 39          | 14            |
|             |             | 2            |              |              |              | 3           |               |
|             |             |              |              |              | 5            |             | 5             |
| 89          |             | 66           |              |              |              | 26          | 198           |
| 46          |             | 2            |              |              | 49           | 10          | 19            |
| 2           |             |              |              |              | 5            |             | 5             |
| 25          |             | 3            | 1            |              |              |             |               |
| 1051        |             | 93           | 1            |              | 5            |             | 24            |
| 146         |             | 7            | 1            |              | 15           | 3           | 19            |
| 6           |             |              | 1            |              | 5            |             | 10            |
| 4           |             | 3            | 1            |              |              |             | 5             |
| 536         |             | 24           | 7            |              | 10           |             | 19            |
| 2726        |             | 148          | 29           |              | 49           | 33          | 53            |
| 39          |             | 3            | 1            |              | 15           |             | 5             |
| 898         |             | 32           | 7            |              | 5            |             | 44            |
| 548         |             | 68           |              |              | 5            |             | 10            |
| 496         |             | 36           | 1            |              | 10           |             | 5             |
| 10          |             |              | 1            |              | 5            |             |               |
| 33          |             | 17           | 9            |              | 29           |             | 29            |
| 252         |             | 37           | 1            |              |              |             |               |
| 25          |             |              |              |              | 5            |             |               |
| 70          |             |              |              |              | 5            |             |               |
| 65          |             | 5            | 1            |              | 19           |             | 5             |
| 219         |             | 8            | 6            |              | 15           |             | 5             |
| 132         |             |              |              |              |              | 3           | 24            |
| 92          |             | 12           | 7            |              | 78           | 20          | 116           |
| 136         |             | 14           | 6            |              | 24           | 42          | 131           |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상하<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 11         | 64          | 10         | 070         | 3126                | 44         |             | 5           | 22           |
|            | 64          | 15         | 060         | 35943               | 527        |             | 338         | 98           |
|            | 64          | 15         | 065         | 75682               | 1358       |             | 1019        | 135          |
|            | 64          | 15         | 070         | 26858               | 470        |             | 352         | 38           |
|            | 63          | 00         | 010         | 6563                | 125        |             | 5           |              |
|            | 63          | 00         | 015         | 23872               | 300        |             | 21          | 28           |
|            | 63          | 00         | 020         | 14989               | 143        |             | 49          | 1            |
|            | 63          | 00         | 025         | 194160              | 4074       |             | 207         | 271          |
|            | 63          | 00         | 030         | 3446                | 26         |             | 11          | 4            |
|            | 63          | 05         | 010         | 46191               | 668        |             | 14          | 94           |
|            | 63          | 05         | 015         | 88263               | 1447       |             | 24          | 222          |
|            | 63          | 05         | 020         | 6094                | 67         |             | 1           | 15           |
|            | 63          | 05         | 025         | 24729               | 340        |             | 18          | 144          |
|            | 63          | 05         | 030         | 3047                | 34         |             | 2           | 7            |
|            | 63          | 10         | 020         | 26253               | 531        |             | 16          | 439          |
|            | 63          | 10         | 025         | 6563                | 112        |             | 4           | 97           |
|            | 64          | 00         | 010         | 8778                | 138        |             | 3           |              |
|            | 64          | 00         | 015         | 17193               | 213        |             | 11          | 6            |
|            | 64          | 00         | 020         | 5274                | 64         |             | 4           | 5            |
|            | 64          | 00         | 030         | 92114               | 1216       |             | 624         | 358          |
|            | 64          | 00         | 035         | 28784               | 307        |             | 170         | 83           |
|            | 64          | 00         | 040         | 18189               | 165        |             | 101         | 24           |
|            | 64          | 05         | 015         | 5274                | 67         |             | 4           | 4            |
|            | 64          | 05         | 030         | 2930                | 29         |             | 10          | 3            |
|            | 64          | 10         | 060         | 18131               | 270        |             | 180         | 31           |
|            | 64          | 10         | 065         | 24973               | 328        |             | 234         | 43           |
|            | 64          | 15         | 060         | 24667               | 339        |             | 210         | 51           |
|            | 64          | 15         | 065         | 30051               | 382        |             | 206         | 92           |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황 새 치<br>SWO | 녹 새 치<br>BUM | 백 새 치<br>WHM | 돛 새 치<br>SAI | 기타새치<br>OTB | 기 타<br>Others |
|-------------|-------------|--------------|--------------|--------------|--------------|-------------|---------------|
| 8           |             | 2            | 1            |              |              | 6           |               |
| 50          |             | 19           | 6            |              |              | 6           | 10            |
| 71          |             | 100          | 12           |              | 10           | 6           | 5             |
| 23          |             | 2            | 1            |              |              | 10          | 44            |
| 95          |             | 20           |              |              |              |             | 5             |
| 198         |             | 27           | 7            |              |              |             | 19            |
| 60          |             | 20           | 3            |              |              |             | 10            |
| 3173        |             | 279          | 76           |              | 10           |             | 58            |
| 7           |             | 3            | 1            |              |              |             |               |
| 501         |             | 30           |              |              | 5            |             | 24            |
| 1059        |             | 82           | 1            |              | 15           |             | 44            |
| 50          |             |              | 1            |              |              |             |               |
| 120         |             | 12           |              |              | 24           | 3           | 19            |
| 20          |             |              |              |              | 5            |             |               |
| 22          |             | 20           |              |              |              | 20          | 14            |
| 3           |             | 5            |              |              |              | 3           |               |
| 123         |             | 7            |              |              |              |             | 5             |
| 176         |             | 15           |              |              |              |             | 5             |
| 46          |             | 8            | 1            |              |              |             |               |
| 103         |             | 8            | 6            |              | 49           |             | 68            |
| 26          |             | 3            | 1            |              | 10           |             | 14            |
| 13          |             | 7            | 1            |              |              |             | 19            |
| 56          |             | 3            |              |              |              |             |               |
| 11          |             |              |              |              | 5            |             |               |
| 17          |             | 39           | 3            |              |              |             |               |
| 23          |             | 15           | 3            |              |              | 10          |               |
| 27          |             | 12           | 3            |              | 19           | 3           | 14            |
| 31          |             | 27           | 6            |              |              | 20          |               |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 12         | 62          | 05         | 000         | 3000                | 37         |             | 1           |              |
|            | 63          | 00         | 000         | 27172               | 480        |             | 30          |              |
|            | 63          | 00         | 005         | 24771               | 721        |             | 67          | 5            |
|            | 63          | 00         | 010         | 9582                | 120        |             | 23          | 9            |
|            | 63          | 00         | 020         | 10348               | 218        |             | 17          | 11           |
|            | 63          | 00         | 025         | 129369              | 3475       |             | 267         | 132          |
|            | 63          | 05         | 000         | 24002               | 303        |             | 2           |              |
|            | 63          | 05         | 025         | 45918               | 900        |             | 23          | 784          |
|            | 63          | 10         | 025         | 49191               | 1084       |             | 32          | 939          |
|            | 64          | 00         | 010         | 16947               | 186        |             | 11          |              |
|            | 64          | 00         | 015         | 13126               | 79         |             | 9           | 1            |
|            | 64          | 00         | 030         | 22221               | 294        |             | 191         | 13           |
|            | 64          | 00         | 035         | 111656              | 2390       |             | 1633        | 298          |
|            | 64          | 00         | 040         | 4571                | 59         |             | 54          |              |
|            | 64          | 05         | 015         | 20768               | 258        |             | 3           |              |
|            | 64          | 05         | 025         | 35441               | 331        |             | 133         | 54           |
|            | 64          | 05         | 030         | 12669               | 119        |             | 25          | 13           |
|            | 64          | 05         | 045         | 4571                | 22         |             | 5           |              |
|            | 64          | 15         | 040         | 4571                | 17         |             | 8           |              |
|            | 64          | 30         | 065         | 66690               | 1488       |             | 37          | 1395         |
|            | 64          | 30         | 070         | 64063               | 1550       |             | 50          | 1443         |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황새치<br>SWO | 녹새치<br>BUM | 백새치<br>WHM | 돛새치<br>SAI | 기타새치<br>OTB | 기 타<br>Others |
|-------------|-------------|------------|------------|------------|------------|-------------|---------------|
| 31          |             |            |            |            |            |             | 5             |
| 397         |             |            |            |            |            |             | 53            |
| 561         |             | 88         |            |            |            |             |               |
| 86          |             | 2          |            |            |            |             |               |
| 174         |             | 15         | 1          |            |            |             |               |
| 2761        |             | 255        | 16         |            |            |             | 44            |
| 282         |             |            |            |            |            |             | 19            |
| 16          |             | 25         |            |            | 5          | 23          | 24            |
| 11          |             | 36         |            |            | 10         | 42          | 14            |
| 167         |             | 3          |            |            |            |             | 5             |
| 69          |             |            |            |            |            |             |               |
| 35          |             | 24         | 15         |            | 5          | 6           | 5             |
| 119         |             | 54         | 13         |            | 243        | 6           | 24            |
| 2           |             | 2          | 1          |            |            |             |               |
| 226         |             | 10         |            |            |            |             | 19            |
| 121         |             | 2          | 1          |            | 10         |             | 10            |
| 61          |             |            | 1          |            |            |             | 19            |
| 14          |             | 3          |            |            |            |             |               |
| 6           |             | 3          |            |            |            |             |               |
| 18          |             | 7          |            |            | 5          | 16          | 10            |
| 29          |             | 2          | 1          |            | 5          | 6           | 14            |



印 度 洋

Indian Ocean





印 度 洋

Indian Ocean

| 월<br>Month | 해역<br>Area |            |             | 낚시 수<br>No. of hooks | 계<br>Total | 화다랭이<br>IFT | 남개다랭이<br>ALB | 눈다랭이<br>BET |
|------------|------------|------------|-------------|----------------------|------------|-------------|--------------|-------------|
|            | 구<br>quad. | 위도<br>Lat. | 경도<br>Long. |                      |            |             |              |             |
| 1          | 51         | 00         | 040         | 2640                 | 46         | 20          |              | 17          |
|            | 61         | 00         | 045         | 19222                | 535        | 104         |              | 215         |
|            | 61         | 00         | 050         | 356014               | 5905       | 2615        | 1            | 2483        |
|            | 61         | 00         | 055         | 360573               | 5781       | 2557        | 252          | 2409        |
|            | 61         | 00         | 060         | 281636               | 4596       | 1692        | 100          | 2016        |
|            | 61         | 00         | 065         | 214548               | 4438       | 1792        |              | 2258        |
|            | 61         | 00         | 070         | 36370                | 734        | 324         |              | 329         |
|            | 61         | 00         | 075         | 54747                | 1243       | 344         |              | 329         |
|            | 61         | 00         | 080         | 21125                | 257        | 63          |              | 171         |
|            | 61         | 00         | 085         | 9522                 | 181        | 33          |              | 128         |
|            | 61         | 00         | 090         | 20410                | 511        | 65          |              | 423         |
|            | 61         | 05         | 045         | 5565                 | 63         | 11          | 18           | 23          |
|            | 61         | 05         | 050         | 94072                | 1558       | 184         |              | 896         |
|            | 61         | 05         | 055         | 31413                | 384        | 185         |              | 143         |
|            | 61         | 05         | 060         | 187966               | 2992       | 472         |              | 1921        |
|            | 61         | 05         | 065         | 192778               | 3280       | 412         |              | 2382        |
|            | 61         | 05         | 070         | 12089                | 119        | 44          |              | 71          |
|            | 61         | 05         | 075         | 15690                | 260        | 34          |              | 190         |
|            | 61         | 05         | 080         | 2900                 | 13         | 8           |              | 3           |
|            | 61         | 05         | 090         | 3120                 | 10         | 1           |              | 8           |
|            | 62         | 00         | 040         | 57005                | 951        | 397         | 4            | 514         |
|            | 62         | 00         | 045         | 72404                | 819        | 429         |              | 314         |
|            | 62         | 00         | 050         | 60772                | 587        | 372         |              | 153         |
|            | 62         | 00         | 055         | 80189                | 1013       | 592         |              | 311         |
|            | 62         | 00         | 060         | 83583                | 1317       | 669         |              | 515         |
|            | 62         | 00         | 065         | 41399                | 520        | 240         | 1            | 238         |
|            | 62         | 00         | 070         | 5655                 | 70         | 22          |              | 43          |
|            | 62         | 00         | 075         | 29769                | 465        | 87          |              | 328         |
|            | 62         | 00         | 085         | 3050                 | 43         | 5           |              | 36          |
|            | 62         | 00         | 090         | 3321                 | 17         | 3           |              | 10          |
|            | 62         | 05         | 040         | 213156               | 4107       | 2143        | 49           | 1432        |
|            | 62         | 05         | 045         | 145571               | 2293       | 1071        | 55           | 930         |
|            | 62         | 05         | 050         | 26127                | 356        | 272         | 2            | 46          |
|            | 62         | 05         | 055         | 78808                | 1185       | 723         | 42           | 261         |
|            | 62         | 05         | 060         | 41501                | 491        | 251         |              | 202         |
|            | 62         | 05         | 095         | 8120                 | 197        | 30          |              | 58          |

| 가다랭이<br>SKJ | 황새치<br>SWO | 늑새치<br>BUM | 줄새치<br>STM | 돛새치<br>SAI | 상<br>Sharks | 기타새치<br>OTB | 기<br>others |
|-------------|------------|------------|------------|------------|-------------|-------------|-------------|
|             |            |            |            |            | 1           | 6           | 3           |
| 19          | 148        | 29         | 49         |            | 51          | 94          | 416         |
| 44          | 96         | 36         | 42         |            | 39          | 96          | 217         |
| 12          | 62         | 58         | 47         |            | 71          | 98          | 440         |
| 10          | 70         | 44         |            |            | 18          | 48          | 197         |
|             | 32         | 3          |            |            | 2           | 9           | 30          |
|             | 6          | 10         |            |            | 5           | 17          | 32          |
|             | 3          | 2          |            |            | 5           | 11          | 2           |
|             | 3          |            |            |            | 2           | 7           | 8           |
|             | 6          | 6          |            |            | 4           | 7           |             |
|             |            | 2          |            |            | 3           | 4           | 2           |
| 9           | 102        | 18         | 74         |            | 15          | 101         | 159         |
|             | 7          | 6          |            |            | 5           | 4           | 34          |
| 2           | 63         | 53         | 15         |            | 49          | 85          | 332         |
| 13          | 19         | 100        | 23         |            | 16          | 55          | 260         |
| 2           |            | 2          |            |            |             |             |             |
|             |            | 2          |            |            | 2           | 17          | 15          |
|             |            | 2          |            |            |             |             |             |
|             | 1          |            |            |            |             |             |             |
|             | 11         | 7          |            |            |             | 9           | 9           |
|             | 7          | 10         |            |            | 3           | 20          | 35          |
|             | 10         | 16         |            |            | 6           | 13          | 17          |
| 1           | 18         | 10         |            |            | 6           | 20          | 55          |
| 18          | 18         | 10         |            |            | 5           | 22          | 60          |
|             | 6          | 6          |            |            | 4           | 4           | 21          |
|             | 3          | 1          |            |            | 1           |             |             |
|             | 15         | 4          |            |            | 3           | 7           | 21          |
|             |            | 2          |            |            |             |             |             |
|             |            |            |            |            |             |             | 4           |
|             | 52         | 38         |            |            | 16          | 55          | 222         |
|             | 23         | 18         |            |            | 8           | 33          | 145         |
|             | 2          | 4          |            |            | 2           | 2           | 26          |
| 5           | 36         | 7          |            |            | 8           | 9           | 94          |
| 2           | 7          | 3          |            |            | 4           | 2           | 21          |
|             | 2          |            |            |            | 4           | 2           |             |

| 월<br>Month | 해역<br>Area  |            |             | 낚시 수<br>No. of hooks | 계<br>Total | 확다랭이<br>YFT | 날개 다랭이<br>ALB | 눈다랭이<br>BET |
|------------|-------------|------------|-------------|----------------------|------------|-------------|---------------|-------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                      |            |             |               |             |
| 1          | 62          | 05         | 100         | 22148                | 660        | 79          |               | 532         |
|            | 62          | 10         | 040         | 55579                | 1417       | 607         | 38            | 685         |
|            | 62          | 10         | 045         | 16653                | 571        | 363         | 16            | 154         |
|            | 62          | 10         | 050         | 45395                | 1016       | 236         | 489           | 178         |
|            | 62          | 10         | 055         | 26954                | 414        | 135         | 107           | 121         |
|            | 62          | 10         | 060         | 15420                | 214        | 127         | 31            | 20          |
|            | 62          | 10         | 095         | 44062                | 953        | 122         | 43            | 756         |
| 2          | 62          | 15         | 055         | 12600                | 229        | 22          | 124           | 32          |
|            | 61          | 00         | 045         | 145448               | 4152       | 1701        | 8             | 1848        |
|            | 61          | 00         | 050         | 123117               | 2856       | 1764        |               | 687         |
|            | 61          | 00         | 055         | 88469                | 1348       | 616         | 3             | 476         |
|            | 61          | 00         | 060         | 248383               | 4236       | 996         | 70            | 2633        |
|            | 61          | 00         | 065         | 295691               | 6817       | 2559        | 23            | 3639        |
|            | 61          | 00         | 070         | 66770                | 1862       | 511         |               | 1282        |
|            | 61          | 00         | 075         | 50538                | 630        | 129         |               | 412         |
|            | 61          | 00         | 080         | 59405                | 800        | 170         |               | 525         |
|            | 61          | 00         | 085         | 11911                | 159        | 39          |               | 110         |
|            | 61          | 00         | 090         | 6370                 | 87         | 5           |               | 72          |
|            | 61          | 05         | 050         | 48795                | 674        | 56          |               | 276         |
|            | 61          | 05         | 055         | 73781                | 919        | 78          | 8             | 436         |
|            | 61          | 05         | 060         | 224571               | 3322       | 486         | 33            | 2076        |
|            | 61          | 05         | 065         | 216404               | 4544       | 1523        |               | 2271        |
|            | 61          | 05         | 070         | 28205                | 512        | 30          |               | 420         |
|            | 61          | 05         | 080         | 3220                 | 14         | 5           |               | 3           |
|            | 61          | 05         | 085         | 15710                | 110        | 17          |               | 52          |
|            | 61          | 10         | 080         | 5390                 | 24         | 3           |               | 2           |
|            | 61          | 10         | 085         | 24068                | 234        | 78          |               | 4           |
|            | 62          | 00         | 040         | 86142                | 2209       | 1203        | 3             | 627         |
|            | 62          | 00         | 045         | 390802               | 10199      | 5625        | 29            | 3582        |
|            | 62          | 00         | 050         | 173305               | 4422       | 3033        | 2             | 974         |
|            | 62          | 00         | 055         | 39475                | 457        | 254         |               | 95          |
|            | 62          | 00         | 060         | 38815                | 662        | 332         |               | 254         |

| 가다랭이<br>SKJ | 황 새 치<br>SWO | 녹 새 치<br>BUM | 청 새 치<br>STM | 돛 새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>others |
|-------------|--------------|--------------|--------------|--------------|---------------|-------------|---------------|
|             | 4            | 3            |              |              | 4             | 4           | 34            |
|             | 6            | 9            |              |              | 4             | 4           | 64            |
|             | 5            | 3            |              |              | 2             | 2           | 26            |
|             | 9            | 4            |              |              | 10            | 13          | 77            |
| 2           | 1            | 2            |              |              | 7             | 9           | 30            |
| 3           | 1            | 6            |              |              | 3             | 2           | 21            |
|             | 13           | 2            |              |              | 4             | 4           | 9             |
|             | 1            |              |              |              | 3             | 4           | 43            |
| 47          | 35           | 24           | 56           | 18           | 52            | 188         | 175           |
| 10          | 16           | 2            | 37           | 2            | 11            | 122         | 205           |
|             | 37           | 22           | 21           | 4            | 11            | 68          | 90            |
| 5           | 68           | 42           | 46           | 24           | 31            | 150         | 171           |
| 19          | 99           | 48           | 29           | 26           | 49            | 100         | 226           |
|             | 4            | 7            | 6            | 4            | 1             | 21          | 26            |
|             | 3            | 9            | 9            |              | 4             | 34          | 30            |
|             | 8            | 8            | 11           | 7            | 9             | 36          | 26            |
|             | 1            | 1            | 2            |              |               | 6           |               |
|             |              | 2            |              |              |               | 4           | 4             |
|             | 9            | 48           | 34           | 1            | 12            | 127         | 111           |
| 14          | 10           | 25           | 53           | 2            | 20            | 179         | 94            |
| 1           | 73           | 82           | 58           | 22           | 55            | 197         | 239           |
| 12          | 38           | 77           | 56           | 23           | 17            | 190         | 337           |
|             |              | 13           | 4            |              | 1             | 10          | 34            |
|             |              | 2            |              |              |               |             | 4             |
|             | 1            | 2            | 5            | 1            | 4             | 15          | 13            |
|             | 1            |              | 2            | 5            |               | 11          |               |
|             | 20           | 3            | 13           | 52           | 3             | 44          | 17            |
|             | 25           | 75           | 25           | 10           | 9             | 83          | 149           |
| 33          | 70           | 83           | 13           | 26           | 34            | 439         | 265           |
| 11          | 27           | 19           | 58           | 9            | 10            | 198         | 81            |
|             | 11           | 26           | 2            | 18           | 4             | 9           | 38            |
|             | 9            | 5            | 7            | 2            | 3             | 23          | 26            |

| 월<br>Month | 해역<br>Area  |            |             | 낚시 수<br>No. of hooks | 계<br>Total | 황다랭이<br>YFT | 날개 다랭이<br>ALB | 눈다랭이<br>BET |
|------------|-------------|------------|-------------|----------------------|------------|-------------|---------------|-------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                      |            |             |               |             |
| 2          | 62          | 00         | 065         | 37631                | 748        | 294         | 1             | 389         |
|            | 62          | 00         | 070         | 105204               | 2396       | 1397        |               | 875         |
|            | 62          | 00         | 075         | 11497                | 137        | 20          |               | 98          |
|            | 62          | 05         | 040         | 149910               | 4004       | 2251        | 13            | 1371        |
|            | 62          | 05         | 045         | 238765               | 6027       | 3459        | 135           | 2012        |
|            | 62          | 05         | 050         | 142022               | 3510       | 2056        | 235           | 986         |
|            | 62          | 05         | 055         | 24910                | 457        | 273         | 35            | 104         |
|            | 62          | 05         | 060         | 56925                | 901        | 450         |               | 348         |
|            | 62          | 05         | 065         | 15067                | 282        | 73          |               | 190         |
|            | 62          | 05         | 075         | 6305                 | 61         | 25          |               | 31          |
|            | 62          | 05         | 080         | 2760                 | 19         | 2           |               | 17          |
|            | 62          | 05         | 085         | 2880                 | 52         | 9           | 1             | 40          |
|            | 62          | 05         | 090         | 2880                 | 21         | 9           |               | 11          |
|            | 62          | 05         | 095         | 5796                 | 92         | 7           |               | 82          |
|            | 62          | 05         | 100         | 58692                | 1411       | 218         | 6             | 1110        |
|            | 62          | 10         | 050         | 9280                 | 22         | 4           |               | 15          |
|            | 62          | 10         | 060         | 74674                | 1457       | 620         | 132           | 545         |
|            | 62          | 10         | 065         | 3185                 | 144        | 37          | 83            | 10          |
|            | 62          | 10         | 085         | 2880                 | 47         | 20          |               | 26          |
|            | 62          | 10         | 090         | 17134                | 230        | 89          | 2             | 132         |
|            | 62          | 15         | 055         | 12250                | 191        | 38          | 125           | 16          |
|            | 62          | 25         | 055         | 9110                 | 145        | 2           | 119           | 19          |
| 3          | 61          | 00         | 045         | 107082               | 1456       | 665         | 6             | 383         |
|            | 61          | 00         | 050         | 194668               | 2772       | 1069        | 4             | 1097        |
|            | 61          | 00         | 055         | 280665               | 4369       | 1772        |               | 1782        |
|            | 61          | 00         | 060         | 279859               | 4411       | 1456        |               | 2365        |
|            | 61          | 00         | 065         | 97940                | 1619       | 588         |               | 878         |
|            | 61          | 00         | 075         | 46026                | 855        | 230         |               | 535         |
|            | 61          | 00         | 080         | 27484                | 225        | 88          |               | 109         |
|            | 61          | 00         | 085         | 45203                | 499        | 126         |               | 319         |
|            | 61          | 00         | 090         | 24038                | 270        | 91          |               | 146         |
|            | 61          | 05         | 050         | 89931                | 1380       | 438         |               | 684         |
|            | 61          | 05         | 055         | 139069               | 1783       | 571         |               | 559         |



| 가다랭이<br>SKJ | 황 새 치<br>SWO | 녹 새 치<br>BUM | 청 새 치<br>STM | 돛 새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|--------------|--------------|--------------|--------------|---------------|-------------|---------------|
|             | 4            | 6            | 2            | 14           |               | 4           | 34            |
|             | 1            | 18           | 6            | 8            | 8             | 19          | 64            |
|             |              | 2            |              |              | 5             | 4           | 8             |
|             | 52           | 39           | 27           | 14           | 10            | 95          | 132           |
| 4           | 40           | 65           | 37           | 19           | 10            | 118         | 128           |
| 6           | 14           | 23           | 20           | 17           | 14            | 66          | 73            |
|             | 4            | 7            |              | 4            | 5             | 8           | 17            |
| 30          | 3            | 16           | 4            | 3            | 5             | 12          | 30            |
|             | 2            | 2            | 2            |              |               | 4           | 9             |
|             | 1            | 1            | 3            |              |               |             |               |
|             | 1            |              | 1            |              |               |             |               |
|             |              |              | 1            |              |               |             |               |
|             | 1            | 1            |              |              | 1             |             |               |
|             | 13           | 2            | 2            | 5            | 16            | 9           | 30            |
|             |              |              | 2            |              | 1             |             |               |
|             | 10           | 18           | 8            | 5            | 3             | 22          | 94            |
|             |              | 1            |              |              |               |             | 13            |
|             | 1            |              |              |              |               |             |               |
|             | 2            |              |              |              |               | 5           |               |
|             |              |              | 2            |              | 2             | 4           | 4             |
|             |              |              |              |              | 1             |             | 4             |
| 3           | 21           | 35           | 41           | 6            | 16            | 50          | 230           |
| 10          | 10           | 77           | 58           | 3            | 19            | 71          | 354           |
| 6           | 23           | 61           | 82           | 16           | 18            | 127         | 482           |
| 11          | 16           | 33           | 63           | 30           | 21            | 104         | 312           |
| 13          | 3            | 10           | 12           | 4            | 5             | 21          | 85            |
| 2           |              | 12           | 2            | 4            | 2             | 4           | 64            |
|             |              | 2            | 4            | 6            | 1             | 6           | 9             |
|             |              | 4            | 6            | 1            | 5             | 8           | 30            |
|             | 4            | 2            | 2            | 2            | 6             | 4           | 13            |
|             |              |              |              |              |               |             |               |
| 2           | 7            | 29           | 24           | 1            | 13            | 33          | 149           |
|             | 14           | 22           | 43           | 5            | 11            | 65          | 192           |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 황다랭이<br>YFT | 날개다랭이<br>ALB | 눈다랭이<br>BET |
|------------|-------------|------------|-------------|---------------------|------------|-------------|--------------|-------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |              |             |
| 3          | 61          | 05         | 060         | 325428              | 3713       | 1212        |              | 1758        |
|            | 61          | 05         | 065         | 369091              | 6157       | 1917        |              | 3324        |
|            | 61          | 05         | 070         | 42211               | 837        | 254         |              | 423         |
|            | 61          | 05         | 085         | 2790                | 12         | 6           |              | 5           |
|            | 61          | 05         | 090         | 9000                | 68         | 18          |              | 41          |
|            | 61          | 10         | 055         | 21200               | 221        | 54          |              | 120         |
|            | 61          | 10         | 080         | 8310                | 142        | 80          |              | 2           |
|            | 61          | 10         | 085         | 68657               | 565        | 189         |              | 14          |
|            | 61          | 15         | 085         | 11495               | 58         | 6           |              | 1           |
|            | 62          | 00         | 040         | 251803              | 3966       | 1853        |              | 1193        |
|            | 62          | 00         | 045         | 378826              | 5573       | 3109        | 23           | 1564        |
|            | 62          | 00         | 050         | 274718              | 4516       | 2793        | 1            | 1241        |
|            | 62          | 00         | 055         | 146289              | 2691       | 1665        | 1            | 810         |
|            | 62          | 00         | 060         | 136360              | 1853       | 957         | 3            | 723         |
|            | 62          | 00         | 065         | 15995               | 150        | 52          | 3            | 77          |
|            | 62          | 00         | 070         | 27998               | 296        | 174         |              | 79          |
|            | 62          | 00         | 075         | 16070               | 255        | 205         |              | 47          |
|            | 62          | 00         | 080         | 19320               | 147        | 44          |              | 58          |
|            | 62          | 00         | 085         | 5850                | 17         | 6           |              | 6           |
|            | 62          | 00         | 090         | 29310               | 407        | 130         |              | 250         |
|            | 62          | 00         | 095         | 58766               | 619        | 214         | 1            | 352         |
|            | 62          | 05         | 040         | 142611              | 2233       | 937         | 155          | 737         |
|            | 62          | 05         | 045         | 118417              | 1604       | 778         | 106          | 504         |
|            | 62          | 05         | 050         | 23400               | 611        | 235         | 132          | 205         |
|            | 62          | 05         | 055         | 18138               | 214        | 82          | 97           | 18          |
|            | 62          | 05         | 060         | 184585              | 3548       | 1740        | 3            | 1542        |
|            | 62          | 05         | 065         | 87350               | 1088       | 407         | 1            | 491         |
|            | 62          | 05         | 070         | 9555                | 75         | 36          |              | 18          |
|            | 62          | 05         | 075         | 12090               | 69         | 27          |              | 30          |
|            | 62          | 05         | 080         | 2925                | 16         | 6           |              | 7           |
|            | 62          | 05         | 090         | 5520                | 46         | 14          |              | 27          |
|            | 62          | 05         | 095         | 78120               | 641        | 214         | 1            | 343         |
|            | 62          | 05         | 100         | 2800                | 16         | 2           |              | 14          |
|            | 62          | 05         | 105         | 2716                | 48         | 18          |              | 30          |

| 가다랭이<br>SKJ | 황 새 치<br>SWO | 녹 새 치<br>BUM | 청 새 치<br>STM | 돛 새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|--------------|--------------|--------------|--------------|---------------|-------------|---------------|
| 6           | 29           | 54           | 89           | 14           | 29            | 121         | 401           |
| 19          | 29           | 89           | 75           | 28           | 16            | 131         | 529           |
| 1           | 3            | 18           | 6            | 6            | 2             | 17          | 107           |
|             |              | 1            |              |              |               |             |               |
|             | 4            |              | 2            |              | 1             | 2           |               |
|             | 7            | 2            | 4            |              |               | 8           | 26            |
|             | 5            | 3            | 8            | 6            |               | 8           | 30            |
|             | 27           | 10           | 46           | 47           | 4             | 96          | 132           |
|             | 8            | 2            | 3            | 7            |               | 10          | 21            |
| 22          | 24           | 113          | 90           | 4            | 15            | 110         | 542           |
| 32          | 33           | 72           | 102          | 6            | 46            | 125         | 461           |
| 22          | 12           | 26           | 98           | 11           | 21            | 115         | 176           |
|             | 10           | 21           | 35           | 3            | 7             | 46          | 93            |
| 2           | 7            | 14           | 26           | 4            | 7             | 29          | 81            |
|             | 3            |              | 2            | 1            | 1             | 2           | 9             |
|             | 6            | 4            | 2            | 3            | 4             | 6           | 18            |
|             | 1            | 1            |              |              | 1             |             |               |
|             |              | 6            | 2            | 1            | 2             | 4           | 30            |
|             |              | 1            |              | 1            |               | 2           | 1             |
|             | 3            | 2            | 2            | 2            | 4             | 2           | 12            |
|             | 5            | 4            | 2            | 8            | 5             | 2           | 26            |
| 2           | 22           | 21           | 58           | 6            | 17            | 65          | 213           |
| 8           | 9            | 13           | 27           | 4            | 7             | 33          | 115           |
|             | 2            | 5            | 6            |              | 1             | 4           | 21            |
|             |              | 2            |              | 1            | 1             |             | 13            |
|             | 12           | 32           | 12           | 8            | 1             | 27          | 171           |
|             | 8            | 14           | 8            | 6            | 6             | 19          | 128           |
|             | 1            | 2            |              | 5            |               | 4           | 9             |
|             |              | 2            |              | 2            |               | 4           | 4             |
|             |              | 3            |              |              |               |             |               |
|             |              |              |              |              | 1             |             | 4             |
|             | 7            | 4            |              | 1            | 7             |             | 64            |

| 월<br>Month | 해역<br>Area  |            |             | 남시수<br>No. of books | 계<br>Total | 황다랭이<br>YFT | 날개 다랭이<br>ALB | 눈다랭이<br>BET |
|------------|-------------|------------|-------------|---------------------|------------|-------------|---------------|-------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |               |             |
| 3          | 62          | 10         | 040         | 104845              | 2331       | 1438        | 373           | 142         |
|            | 62          | 10         | 055         | 22365               | 247        | 78          | 104           | 25          |
|            | 62          | 10         | 060         | 37295               | 460        | 303         | 9             | 57          |
|            | 62          | 10         | 085         | 2925                | 5          | 1           |               | 4           |
|            | 62          | 10         | 095         | 6400                | 86         | 35          |               | 45          |
|            | 62          | 10         | 105         | 9044                | 123        | 28          | 5             | 82          |
|            | 62          | 15         | 040         | 25783               | 689        | 397         | 87            | 114         |
|            | 62          | 15         | 055         | 12190               | 84         | 26          | 41            |             |
|            | 62          | 15         | 060         | 14330               | 167        | 44          | 81            | 8           |
|            | 62          | 20         | 040         | 2380                | 38         | 28          | 7             | 2           |
|            | 62          | 20         | 050         | 3330                | 21         | 6           | 3             |             |
|            | 62          | 25         | 035         | 16435               | 361        | 215         | 18            | 70          |
|            | 62          | 25         | 040         | 3600                | 40         | 37          | 1             |             |
|            | 62          | 25         | 045         | 5970                | 47         | 24          | 8             | 2           |
|            | 62          | 30         | 035         | 66528               | 1553       | 805         | 470           | 202         |
|            | 62          | 30         | 040         | 3000                | 13         | 2           | 7             | 1           |
|            | 62          | 35         | 030         | 1910                | 31         |             | 27            | 4           |
|            | 62          | 35         | 035         | 6690                | 133        | 4           | 120           | 3           |
|            | 62          | 35         | 040         | 11880               | 244        | 16          | 203           | 14          |
|            | 62          | 40         | 030         | 30370               | 971        | 16          | 844           | 47          |
|            | 62          | 40         | 040         | 2010                | 21         | 13          |               | 6           |
| 4          | 61          | 00         | 045         | 48413               | 639        | 175         | 25            | 292         |
|            | 61          | 00         | 050         | 404387              | 7608       | 2121        | 328           | 4289        |
|            | 61          | 00         | 055         | 734300              | 13370      | 3620        | 318           | 7864        |
|            | 61          | 00         | 060         | 588437              | 13063      | 4697        | 287           | 6636        |
|            | 61          | 00         | 065         | 46291               | 835        | 411         |               | 319         |
|            | 61          | 00         | 070         | 14903               | 222        | 118         |               | 65          |
|            | 61          | 00         | 075         | 226925              | 4525       | 1146        | 550           | 2039        |
|            | 61          | 00         | 080         | 126847              | 2178       | 504         |               | 1364        |
|            | 61          | 00         | 085         | 105233              | 1176       | 306         |               | 663         |
|            | 61          | 00         | 090         | 82015               | 741        | 276         |               | 366         |

| 가다랭이<br>SKJ | 황 새 치<br>SWO | 늑 새 치<br>BUM | 청 새 치<br>STM | 돛 새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Othere |
|-------------|--------------|--------------|--------------|--------------|---------------|-------------|---------------|
| 1           | 20           | 38           | 37           | 20           | 14            | 60          | 188           |
| 1           | 2            | 2            | 2            | 3            | 2             | 2           | 26            |
|             | 2            | 10           | 3            | 1            | 3             | 8           | 64            |
|             | 1            |              |              |              | 1             |             | 4             |
|             | 2            | 1            |              |              | 1             |             | 4             |
| 4           | 4            | 8            | 7            | 8            | 1             | 12          | 47            |
|             |              | 2            | 1            | 4            | 2             | 4           | 4             |
|             |              | 3            | 1            | 4            | 1             | 8           | 17            |
|             |              | 1            |              |              |               |             |               |
|             |              | 3            |              |              |               |             | 9             |
|             |              | 3            | 2            |              |               | 2           | 51            |
|             |              | 1            |              |              | 1             |             |               |
|             |              | 3            | 3            |              | 3             |             | 4             |
|             | 9            | 4            | 6            |              |               | 10          | 47            |
|             |              |              |              | 2            | 1             |             |               |
|             |              | 1            |              |              | 1             |             | 4             |
|             |              | 2            |              |              | 1             |             | 8             |
|             | 1            |              |              |              | 8             |             | 55            |
|             |              | 2            |              |              |               |             |               |
| 5           | 13           | 21           | 11           | 1            | 3             | 12          | 81            |
| 15          | 46           | 92           | 74           | 8            | 22            | 58          | 555           |
| 5           | 207          | 121          | 142          | 14           | 36            | 108         | 935           |
| 5           | 158          | 132          | 90           | 22           | 47            | 106         | 883           |
| 3           | 12           | 24           | 4            | 2            | 2             | 15          | 43            |
|             | 8            | 7            | 2            | 1            | 2             | 6           | 13            |
|             | 32           | 326          | 21           | 18           | 16            | 125         | 252           |
|             | 31           | 41           | 21           | 21           | 7             | 31          | 158           |
|             | 6            | 16           | 22           | 8            | 6             | 12          | 137           |
|             | 9            | 21           | 2            | 11           | 1             | 17          | 38            |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 황다랭이<br>YFT | 날개다랭이<br>ALB | 눈다랭이<br>BET |
|------------|-------------|------------|-------------|---------------------|------------|-------------|--------------|-------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |              |             |
| 4          | 61          | 00         | 095         | 12650               | 115        | 36          |              | 63          |
|            | 61          | 05         | 050         | 78215               | 1463       | 148         |              | 1161        |
|            | 61          | 05         | 055         | 337437              | 4955       | 542         |              | 3826        |
|            | 61          | 05         | 060         | 181983              | 2446       | 264         |              | 1840        |
|            | 61          | 05         | 065         | 122383              | 1869       | 218         |              | 1286        |
|            | 61          | 05         | 070         | 10430               | 139        | 24          |              | 90          |
|            | 61          | 05         | 075         | 4780                | 45         | 3           |              | 39          |
|            | 61          | 05         | 085         | 2398                | 5          | 1           |              | 1           |
|            | 61          | 10         | 055         | 5100                | 60         |             |              | 31          |
|            | 61          | 10         | 060         | 11342               | 356        | 208         |              | 80          |
|            | 61          | 10         | 065         | 3150                | 35         |             |              | 34          |
|            | 61          | 10         | 070         | 8400                | 186        | 57          |              | 79          |
|            | 61          | 10         | 080         | 77388               | 1214       | 250         |              | 45          |
|            | 61          | 10         | 085         | 5185                | 62         | 6           |              | 6           |
|            | 61          | 15         | 040         | 3200                | 100        | 90          | 8            | 1           |
|            | 62          | 00         | 040         | 21975               | 223        | 72          |              | 105         |
|            | 62          | 00         | 045         | 128630              | 2478       | 790         | 630          | 643         |
|            | 62          | 00         | 050         | 26213               | 595        | 323         | 25           | 155         |
|            | 62          | 00         | 055         | 101171              | 2192       | 1029        | 227          | 655         |
|            | 62          | 00         | 060         | 261598              | 4917       | 2349        | 323          | 1661        |
|            | 62          | 00         | 065         | 37880               | 721        | 517         | 1            | 136         |
|            | 62          | 00         | 070         | 68188               | 1157       | 533         | 91           | 354         |
|            | 62          | 00         | 075         | 51069               | 985        | 345         | 237          | 290         |
|            | 62          | 00         | 080         | 15635               | 317        | 82          | 156          | 46          |
|            | 62          | 00         | 085         | 3150                | 15         | 7           |              | 8           |
|            | 62          | 00         | 090         | 12865               | 73         | 7           | 10           | 46          |
|            | 62          | 00         | 095         | 83845               | 1050       | 176         | 504          | 283         |
|            | 62          | 05         | 045         | 17612               | 311        | 97          |              | 119         |
|            | 62          | 05         | 050         | 22400               | 350        | 148         | 10           | 164         |
|            | 62          | 05         | 055         | 18607               | 213        | 46          | 10           | 138         |
|            | 62          | 05         | 060         | 10813               | 124        | 28          | 25           | 55          |
|            | 62          | 05         | 065         | 50570               | 697        | 201         | 111          | 240         |
|            | 62          | 05         | 070         | 23995               | 275        | 68          | 20           | 133         |

| 가다랭이<br>SKJ | 황 새 치<br>SWO | 늑 새 치<br>BUM | 청 새 치<br>STM | 돛 새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|--------------|--------------|--------------|--------------|---------------|-------------|---------------|
|             | 4            | 5            | 4            |              |               | 2           | 1             |
| 6           | 6            | 17           | 12           | 6            | 7             | 12          | 94            |
|             | 58           | 21           | 43           | 8            | 25            | 29          | 397           |
|             | 32           | 11           | 20           | 2            | 24            | 10          | 243           |
|             | 18           | 24           | 31           | 19           | 7             | 23          | 243           |
|             | 1            | 3            | 2            | 1            | 1             |             | 17            |
|             | 1            |              | 1            |              | 1             |             |               |
|             |              | 1            | 1            |              | 1             |             |               |
|             | 4            | 2            | 4            |              |               | 2           | 17            |
|             |              | 5            | 6            |              |               | 2           | 55            |
|             |              |              | 1            |              |               |             |               |
|             | 3            | 5            | 4            | 3            | 1             | 4           | 30            |
|             | 41           | 38           | 125          | 32           | 2             | 37          | 644           |
|             | 4            | 3            | 5            | 2            |               | 2           | 34            |
|             |              |              |              |              | 1             |             |               |
| 61          | 5            | 10           | 2            | 2            |               | 6           | 21            |
|             | 44           | 33           | 23           | 5            | 6             | 21          | 222           |
|             |              | 5            | 8            |              |               | 2           | 77            |
|             | 28           | 26           | 29           | 5            | 5             | 17          | 171           |
| 22          | 42           | 65           | 50           | 11           | 13            | 35          | 346           |
| 1           | 2            | 18           | 2            |              | 2             | 8           | 34            |
|             | 26           | 9            | 11           | 6            | 6             | 10          | 111           |
|             | 8            | 17           | 2            | 4            | 5             | 17          | 60            |
|             | 14           | 2            | 5            | 3            | 3             | 6           |               |
|             | 3            | 2            |              |              | 1             |             | 4             |
|             | 21           | 17           | 2            | 6            |               | 15          | 26            |
|             | 3            | 2            | 10           |              | 1             | 2           | 77            |
| 20          |              | 8            |              |              |               |             |               |
| 6           | 2            | 7            | 2            |              |               | 2           |               |
|             | 4            | 6            |              |              | 2             | 4           |               |
|             | 7            | 10           | 13           | 2            | 3             | 8           | 102           |
|             | 3            | 3            | 4            | 2            | 2             | 2           | 38            |



| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 황다랭이<br>YFT | 날개다랭이<br>ALB | 눈다랭이<br>BET |
|------------|-------------|------------|-------------|---------------------|------------|-------------|--------------|-------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |              |             |
| 4          | 62          | 05         | 075         | 2100                | 5          | 2           |              | 3           |
|            | 62          | 05         | 085         | 6600                | 81         | 4           | 15           | 60          |
|            | 62          | 05         | 090         | 45180               | 457        | 16          | 106          | 300         |
|            | 62          | 05         | 095         | 15440               | 85         | 5           |              | 60          |
|            | 62          | 10         | 040         | 5280                | 50         | 8           | 5            | 8           |
|            | 62          | 10         | 045         | 22400               | 217        | 80          | 35           | 78          |
|            | 62          | 10         | 055         | 19310               | 199        | 107         | 33           | 46          |
|            | 62          | 10         | 060         | 5680                | 29         | 5           | 9            | 12          |
|            | 62          | 10         | 100         | 13200               | 249        | 39          | 165          | 21          |
|            | 62          | 15         | 040         | 86632               | 2788       | 1768        | 583          | 203         |
|            | 62          | 20         | 035         | 48545               | 946        | 470         | 288          | 40          |
|            | 62          | 20         | 040         | 126000              | 3308       | 2118        | 352          | 500         |
|            | 62          | 20         | 045         | 3080                | 66         | 36          | 20           | 9           |
|            | 62          | 25         | 030         | 3120                | 39         | 18          | 12           | 2           |
|            | 62          | 25         | 035         | 13275               | 290        | 138         | 94           | 14          |
|            | 62          | 25         | 040         | 130553              | 3217       | 1645        | 986          | 273         |
|            | 62          | 25         | 045         | 12510               | 138        | 84          | 20           | 8           |
|            | 62          | 30         | 035         | 19990               | 383        | 188         | 111          | 33          |
|            | 62          | 30         | 040         | 95703               | 2712       | 1421        | 659          | 440         |
|            | 62          | 35         | 030         | 2400                | 4          | 1           | 2            |             |
|            | 62          | 35         | 035         | 58450               | 1211       | 25          | 1050         | 58          |
|            | 62          | 35         | 040         | 28210               | 536        | 20          | 446          | 22          |
|            | 62          | 35         | 045         | 3110                | 105        | 1           | 85           | 9           |
|            | 62          | 35         | 050         | 3530                | 66         | 53          |              | 12          |
|            | 62          | 40         | 040         | 3010                | 51         | 1           | 45           | 3           |
| 5          | 61          | 00         | 040         | 2990                | 36         | 16          |              | 14          |
|            | 61          | 00         | 045         | 128468              | 2670       | 848         | 1            | 970         |
|            | 61          | 00         | 050         | 387323              | 8565       | 2058        | 4            | 5567        |
|            | 61          | 00         | 055         | 329819              | 7240       | 1397        | 6            | 5015        |
|            | 61          | 00         | 060         | 170053              | 2373       | 631         | 3            | 1402        |

| 가다랭이<br>SKJ | 황 새 치<br>SWO | 녹 새 치<br>BUM | 청 새 치<br>STM | 돛 새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|--------------|--------------|--------------|--------------|---------------|-------------|---------------|
|             |              | 1            | 1            |              |               |             |               |
|             | 5            | 7            | 2            | 2            |               | 2           | 17            |
|             | 9            | 2            | 1            |              | 2             | 2           | 4             |
|             | 2            | 3            | 3            | 2            |               | 2           | 17            |
| 21          |              | 3            |              |              |               |             |               |
| 1           | 2            | 5            | 2            |              | 3             |             |               |
|             |              | 2            |              |              | 1             |             |               |
|             | 2            | 1            | 1            | 3            |               |             | 17            |
| 4           | 23           | 34           | 15           | 18           | 4             | 25          | 111           |
| 3           | 9            | 18           | 12           | 16           | 2             | 15          | 73            |
| 2           | 20           | 36           | 22           | 17           | 1             | 35          | 205           |
|             |              |              |              | 1            |               |             |               |
|             | 2            | 3            |              |              | 2             |             |               |
|             | 2            | 2            | 2            |              |               | 4           | 34            |
|             | 14           | 25           | 22           |              | 7             | 27          | 218           |
|             | 6            | 5            | 1            | 5            | 3             | 2           | 4             |
|             | 1            | 2            | 5            | 6            | 1             | 2           | 34            |
|             | 21           | 18           | 11           | 1            | 1             | 25          | 115           |
|             |              |              |              |              | 1             |             |               |
|             | 28           | 4            | 2            | 1            | 5             | 8           | 30            |
|             | 3            | 1            | 1            | 2            | 5             | 2           | 34            |
|             |              |              |              |              | 1             |             | 9             |
|             |              |              |              |              | 1             |             |               |
|             | 2            |              |              |              |               |             |               |
|             |              |              | 1            |              | 1             |             | 4             |
|             | 203          | 43           | 33           | 7            | 7             | 42          | 516           |
| 4           | 36           | 134          | 49           | 6            | 25            | 110         | 572           |
|             | 58           | 98           | 50           | 11           | 10            | 104         | 491           |
|             | 22           | 20           | 25           | 1            | 9             | 17          | 243           |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 황다랭이<br>YFT | 날개다랭이<br>ALB | 눈다랭이<br>BET |
|------------|-------------|------------|-------------|---------------------|------------|-------------|--------------|-------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |              |             |
| 5          | 61          | 00         | 065         | 50993               | 727        | 248         | 8            | 326         |
|            | 61          | 00         | 070         | 3500                | 4          | 2           |              | 1           |
|            | 61          | 00         | 075         | 68956               | 1654       | 137         |              | 1379        |
|            | 61          | 00         | 080         | 43065               | 688        | 91          |              | 524         |
|            | 61          | 00         | 085         | 143830              | 1734       | 704         |              | 686         |
|            | 61          | 00         | 090         | 62400               | 452        | 116         |              | 199         |
|            | 61          | 00         | 095         | 16400               | 169        | 51          |              | 106         |
|            | 61          | 05         | 045         | 3120                | 53         | 3           |              | 44          |
|            | 61          | 05         | 050         | 159696              | 2940       | 528         |              | 1996        |
|            | 61          | 05         | 055         | 402663              | 6230       | 788         | 2            | 4372        |
|            | 61          | 05         | 060         | 756642              | 11525      | 784         | 1            | 8985        |
|            | 61          | 05         | 065         | 35596               | 502        | 26          |              | 418         |
|            | 61          | 05         | 075         | 37063               | 931        | 36          |              | 828         |
|            | 61          | 05         | 085         | 15385               | 176        | 24          |              | 113         |
|            | 61          | 05         | 090         | 2990                | 42         | 22          |              | 17          |
|            | 61          | 05         | 095         | 3315                | 46         | 36          |              | 5           |
|            | 61          | 10         | 050         | 3150                | 33         |             |              | 24          |
|            | 61          | 10         | 055         | 23474               | 367        | 131         |              | 134         |
|            | 61          | 10         | 060         | 12100               | 169        | 4           |              | 114         |
|            | 61          | 10         | 065         | 11708               | 165        | 11          |              | 113         |
|            | 61          | 10         | 075         | 3200                | 50         | 15          | 4            | 20          |
|            | 61          | 15         | 055         | 9600                | 188        |             | 28           | 5           |
|            | 61          | 15         | 060         | 6400                | 105        | 35          | 10           | 25          |
|            | 61          | 25         | 060         | 3055                | 41         | 20          |              | 16          |
|            | 62          | 00         | 040         | 18395               | 333        | 160         |              | 148         |
|            | 62          | 00         | 045         | 224128              | 5413       | 3655        | 28           | 1139        |
|            | 62          | 00         | 050         | 107093              | 2329       | 1465        | 5            | 522         |
|            | 62          | 00         | 055         | 23479               | 330        | 120         | 1            | 156         |
|            | 62          | 00         | 060         | 147411              | 2241       | 829         | 22           | 1152        |
|            | 62          | 00         | 065         | 77089               | 1115       | 544         | 4            | 403         |
|            | 62          | 00         | 070         | 36993               | 305        | 112         |              | 135         |
|            | 62          | 00         | 075         | 111675              | 1693       | 620         | 3            | 841         |
|            | 62          | 00         | 080         | 11580               | 167        | 40          |              | 102         |

| 가다랭이<br>SKJ | 황 새 치<br>SWO | 녹 새 치<br>BUM | 청 새 치<br>STM | 돛 새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|--------------|--------------|--------------|--------------|---------------|-------------|---------------|
|             | 4            | 19           | 3            | 1            | 9             | 15          | 94            |
|             |              |              |              | 1            |               |             |               |
|             | 11           | 10           | 10           | 1            | 2             | 10          | 94            |
|             | 8            | 11           | 2            | 1            | 2             | 6           | 43            |
|             | 4            | 91           | 17           | 2            | 3             | 65          | 162           |
|             | 5            | 16           | 6            | 4            | 2             | 19          | 85            |
|             | 2            | 2            | 1            |              | 2             | 4           | 1             |
|             |              | 2            |              |              |               |             | 4             |
| 5           | 26           | 37           | 17           | 3            | 21            | 25          | 282           |
| 61          | 32           | 77           | 39           | 4            | 37            | 58          | 760           |
| 60          | 91           | 80           | 108          | 8            | 65            | 71          | 1272          |
| 1           | 2            | 9            | 3            | 3            | 2             | 8           | 30            |
|             | 6            | 3            | 3            | 5            | 3             | 4           | 43            |
|             | 2            | 2            | 2            | 2            | 1             |             | 30            |
|             | 1            | 1            | 1            |              |               |             |               |
|             |              |              |              | 1            |               |             | 4             |
|             |              |              | 4            |              | 1             |             | 4             |
|             | 2            | 5            | 6            | 1            | 1             | 6           | 81            |
|             | 2            | 4            | 2            |              | 3             | 2           | 38            |
|             | 4            | 4            | 3            | 6            | 1             | 2           | 21            |
| 2           |              |              |              |              |               |             | 9             |
| 7           |              | 7            |              |              |               | 4           | 137           |
| 5           |              |              |              |              |               |             | 30            |
|             |              |              | 3            | 2            |               |             |               |
|             | 1            | 14           | 2            |              |               | 8           |               |
|             | 31           | 52           | 29           | 3            | 12            | 37          | 427           |
|             | 13           | 11           | 15           | 4            | 14            | 15          | 265           |
|             | 5            | 13           | 2            | 1            |               | 6           | 26            |
| 3           | 14           | 23           | 15           | 1            | 5             | 19          | 158           |
|             | 3            | 8            | 14           | 4            | 3             | 8           | 124           |
| 2           | 2            | 3            | 2            | 2            | 2             | 2           | 43            |
|             | 18           | 26           | 9            | 1            | 5             | 21          | 149           |
|             | 3            | 2            | 2            | 1            |               | 4           | 13            |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 황다랭이<br>YFT | 날개다랭이<br>ALB | 눈다랭이<br>BET |
|------------|-------------|------------|-------------|---------------------|------------|-------------|--------------|-------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |              |             |
| 5          | 62          | 00         | 095         | 3220                | 29         | 7           |              | 7           |
|            | 62          | 05         | 040         | 142979              | 3189       | 1598        | 657          | 618         |
|            | 62          | 05         | 045         | 68870               | 1547       | 1042        | 35           | 334         |
|            | 62          | 05         | 050         | 6110                | 83         | 24          | 2            | 51          |
|            | 62          | 05         | 055         | 14625               | 228        | 71          |              | 118         |
|            | 62          | 05         | 060         | 85909               | 1267       | 218         | 2            | 726         |
|            | 62          | 05         | 065         | 43272               | 551        | 48          |              | 356         |
|            | 62          | 05         | 070         | 2475                | 16         |             |              | 13          |
|            | 62          | 05         | 085         | 25961               | 342        | 105         |              | 202         |
|            | 62          | 05         | 090         | 10387               | 139        | 40          |              | 92          |
|            | 62          | 05         | 100         | 3220                | 26         | 2           |              | 9           |
|            | 62          | 05         | 105         | 6160                | 43         | 8           | 14           | 10          |
|            | 62          | 10         | 040         | 103715              | 2285       | 1287        | 581          | 140         |
|            | 62          | 10         | 045         | 30340               | 1176       | 800         | 205          | 63          |
|            | 62          | 10         | 050         | 33981               | 527        | 272         | 50           | 160         |
|            | 62          | 10         | 055         | 56878               | 936        | 380         | 34           | 433         |
|            | 62          | 10         | 060         | 2400                | 20         | 9           | 8            | 1           |
|            | 62          | 10         | 075         | 19200               | 186        | 18          | 30           | 77          |
|            | 62          | 10         | 105         | 77661               | 1438       | 269         | 366          | 632         |
|            | 62          | 10         | 110         | 145500              | 3835       | 904         | 574          | 2046        |
|            | 62          | 15         | 040         | 205442              | 4176       | 2325        | 399          | 1043        |
|            | 62          | 15         | 045         | 12800               | 219        | 10          | 25           | 25          |
|            | 62          | 15         | 050         | 12800               | 182        | 5           | 35           | 35          |
|            | 62          | 15         | 055         | 5440                | 70         | 39          | 16           | 8           |
|            | 62          | 15         | 105         | 26400               | 299        | 33          |              | 237         |
|            | 62          | 15         | 110         | 26400               | 349        | 39          | 74           | 224         |
|            | 62          | 20         | 035         | 48680               | 928        | 569         | 71           | 138         |
|            | 62          | 20         | 040         | 171367              | 5427       | 3791        | 543          | 602         |
|            | 62          | 20         | 045         | 2860                | 169        | 96          | 6            | 11          |
|            | 62          | 20         | 055         | 2750                | 61         | 41          | 11           | 6           |
|            | 62          | 25         | 035         | 8195                | 304        | 177         | 45           | 50          |
|            | 62          | 25         | 040         | 45270               | 1209       | 858         | 139          | 115         |

| 가다랭이<br>SKJ | 황 새 치<br>SWO | 녹 새 치<br>BUM | 청 새 치<br>STM | 돛 새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|--------------|--------------|--------------|--------------|---------------|-------------|---------------|
| 7           |              | 2            | 3            |              | 1             | 2           |               |
| 4           | 5            | 25           | 27           | 7            | 6             | 29          | 213           |
|             | 3            | 29           | 10           | 2            |               | 15          | 77            |
|             |              | 1            | 1            |              |               |             | 4             |
|             | 4            | 4            | 2            |              | 1             | 2           | 26            |
| 14          | 22           | 8            | 11           | 1            | 7             | 6           | 252           |
| 4           | 12           | 5            | 9            | 2            | 2             | 2           | 111           |
|             | 1            |              | 2            |              |               |             |               |
|             | 3            | 10           | 3            |              |               | 2           | 17            |
|             |              | 3            | 3            |              | 1             |             |               |
| 3           |              |              |              |              | 3             |             | 9             |
|             |              | 3            | 3            | 1            |               |             | 4             |
| 6           | 11           | 51           | 13           | 8            | 2             | 54          | 132           |
| 3           | 6            | 11           | 4            | 3            | 1             | 12          | 68            |
|             | 5            | 3            | 2            |              | 1             |             | 34            |
|             | 4            | 2            | 9            | 4            | 2             |             | 68            |
|             |              |              | 2            |              |               |             |               |
| 7           |              | 16           |              |              |               | 8           | 30            |
| 6           | 2            | 24           | 13           | 5            | 2             | 12          | 107           |
|             | 12           | 19           | 24           | 11           | 1             | 31          | 213           |
| 5           | 6            | 32           | 40           | 12           | 10            | 27          | 277           |
| 5           |              | 5            |              |              |               |             | 149           |
| 15          |              | 7            |              |              |               | 4           | 81            |
|             |              | 1            | 2            |              |               |             | 4             |
|             | 2            | 2            | 1            | 3            |               |             | 21            |
|             | 1            | 3            | 2            | 2            |               |             | 4             |
|             | 4            | 15           | 9            | 2            |               |             | 120           |
| 4           | 14           | 38           | 42           | 13           | 2             | 19          | 359           |
|             |              |              | 4            |              |               | 52          |               |
|             |              | 1            | 2            |              |               |             |               |
|             | 1            | 4            | 3            | 1            |               | 6           | 17            |
|             | 4            | 10           | 8            | 4            | 1             | 10          | 60            |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 황다랭이<br>YFT | 날개 다랭이<br>ALB | 눈다랭이<br>BET |
|------------|-------------|------------|-------------|---------------------|------------|-------------|---------------|-------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |               |             |
| 5          | 62          | 30         | 040         | 3150                | 60         | 41          |               | 16          |
| 6          | 61          | 00         | 040         | 5300                | 26         | 19          |               | 4           |
|            | 61          | 00         | 045         | 40465               | 312        | 63          | 11            | 165         |
|            | 61          | 00         | 050         | 404750              | 6387       | 1398        |               | 3903        |
|            | 61          | 00         | 055         | 510129              | 8703       | 2614        | 12            | 5212        |
|            | 61          | 00         | 060         | 48923               | 656        | 261         | 3             | 298         |
|            | 61          | 00         | 065         | 33826               | 545        | 151         | 4             | 331         |
|            | 61          | 00         | 070         | 12200               | 202        | 61          | 2             | 111         |
|            | 61          | 00         | 075         | 58080               | 743        | 215         |               | 425         |
|            | 61          | 00         | 080         | 86495               | 816        | 187         |               | 494         |
|            | 61          | 00         | 085         | 172395              | 2695       | 698         | 2             | 1554        |
|            | 61          | 00         | 090         | 44310               | 629        | 102         |               | 469         |
|            | 61          | 05         | 045         | 4925                | 54         | 33          |               | 20          |
|            | 61          | 05         | 050         | 141464              | 2689       | 178         | 6             | 1785        |
|            | 61          | 05         | 055         | 25572               | 370        | 72          |               | 261         |
|            | 61          | 05         | 060         | 29274               | 484        | 31          | 1             | 363         |
|            | 61          | 05         | 065         | 26982               | 315        | 30          |               | 237         |
|            | 61          | 05         | 070         | 2700                | 37         | 5           |               | 10          |
|            | 61          | 05         | 075         | 60794               | 1172       | 29          | 41            | 1051        |
|            | 61          | 05         | 085         | 6325                | 170        | 33          |               | 106         |
|            | 61          | 05         | 095         | 2600                | 21         | 3           |               | 14          |
|            | 61          | 10         | 100         | 28236               | 551        | 118         | 111           | 285         |
|            | 62          | 00         | 040         | 59171               | 945        | 361         | 26            | 412         |
|            | 62          | 00         | 045         | 156179              | 2107       | 1086        | 1             | 783         |
|            | 62          | 00         | 050         | 117645              | 2265       | 1338        | 6             | 666         |
|            | 62          | 00         | 055         | 75613               | 1059       | 230         | 172           | 521         |
|            | 62          | 00         | 060         | 132780              | 1762       | 515         | 15            | 978         |
|            | 62          | 00         | 065         | 34199               | 349        | 119         | 5             | 169         |
|            | 62          | 00         | 070         | 29323               | 357        | 94          | 1             | 228         |
|            | 62          | 00         | 075         | 146509              | 2350       | 854         | 3             | 1311        |
|            | 62          | 00         | 080         | 169042              | 1698       | 543         | 7             | 882         |
|            | 62          | 00         | 085         | 115561              | 1599       | 504         | 18            | 859         |
|            | 62          | 00         | 090         | 62182               | 858        | 199         | 1             | 572         |
|            | 62          | 00         | 095         | 11580               | 130        | 15          | 3             | 110         |



| 가다랭이<br>SKJ | 황 새 치<br>SWO | 늑 새 치<br>BUM | 청 새 치<br>STM | 돛 새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|--------------|--------------|--------------|--------------|---------------|-------------|---------------|
|             |              |              | 3            |              |               |             |               |
|             |              | 1            | 1            |              | 1             |             |               |
|             | 10           | 3            | 2            |              | 5             | 15          | 38            |
| 5           | 76           | 117          | 65           | 17           | 48            | 148         | 610           |
| 3           | 96           | 109          | 38           | 20           | 35            | 137         | 427           |
|             | 9            | 15           | 7            |              | 5             | 15          | 43            |
|             | 9            | 7            | 3            | 1            | 8             | 10          | 21            |
|             |              | 2            | 2            | 2            | 1             |             | 21            |
| 3           | 4            | 19           | 7            | 2            | 8             | 17          | 43            |
| 2           | 11           | 21           | 8            | 2            | 8             | 19          | 64            |
| 10          | 7            | 80           | 32           | 2            | 10            | 65          | 235           |
|             | 3            | 27           | 1            |              | 3             | 15          | 9             |
|             |              | 1            |              |              |               |             |               |
| 12          | 26           | 54           | 32           | 2            | 77            | 60          | 457           |
| 6           | 3            | 5            | 3            | 1            | 4             | 6           | 9             |
|             | 11           | 4            | 10           | 4            | 1             | 12          | 47            |
|             | 8            | 4            | 2            | 2            | 3             | 8           | 21            |
|             | 1            | 1            |              | 20           |               |             |               |
|             | 8            | 6            | 13           |              | 7             | 8           | 9             |
|             | 1            |              | 3            |              | 1             |             | 26            |
|             | 1            |              | 1            |              |               | 2           |               |
|             |              | 3            | 1            |              | 5             | 2           | 26            |
|             | 11           | 6            | 6            | 3            | 10            | 29          | 81            |
| 2           | 17           | 14           | 20           | 4            | 15            | 3           | 162           |
|             | 14           | 7            | 13           | 10           | 30            | 19          | 162           |
| 1           | 8            | 19           | 8            |              | 2             | 21          | 77            |
|             | 9            | 25           | 18           | 10           | 11            | 23          | 158           |
|             | 4            | 4            | 5            | 2            | 1             | 6           | 34            |
|             | 2            | 4            | 2            |              | 1             | 4           | 21            |
| 4           | 11           | 28           | 9            | 7            | 15            | 31          | 77            |
|             | 20           | 29           | 16           | 13           | 2             | 37          | 149           |
| 8           | 15           | 12           | 13           | 3            | 22            | 21          | 124           |
|             | 6            | 16           | 5            | 3            | 5             | 17          | 34            |
|             | 2            |              |              |              |               |             |               |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 황다랭이<br>YFT | 날개다랭이<br>ALB | 눈다랭이<br>BET |
|------------|-------------|------------|-------------|---------------------|------------|-------------|--------------|-------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |              |             |
| 6          | 62          | 05         | 040         | 291515              | 3908       | 1656        | 782          | 984         |
|            | 62          | 05         | 045         | 94427               | 1427       | 504         | 8            | 687         |
|            | 62          | 05         | 050         | 34890               | 520        | 67          |              | 374         |
|            | 62          | 05         | 055         | 10270               | 95         | 78          | 5            | 10          |
|            | 62          | 05         | 060         | 23675               | 177        | 64          |              | 74          |
|            | 62          | 05         | 065         | 43531               | 663        | 276         | 1            | 318         |
|            | 62          | 05         | 070         | 11483               | 97         | 22          |              | 49          |
|            | 62          | 05         | 075         | 35246               | 285        | 61          |              | 163         |
|            | 62          | 05         | 080         | 59508               | 793        | 286         | 5            | 428         |
|            | 62          | 05         | 085         | 32386               | 415        | 97          | 39           | 230         |
|            | 62          | 05         | 090         | 73137               | 836        | 272         | 2            | 502         |
|            | 62          | 05         | 095         | 127247              | 1696       | 599         | 6            | 928         |
|            | 62          | 05         | 100         | 35286               | 508        | 156         | 14           | 168         |
|            | 62          | 10         | 040         | 40864               | 548        | 219         | 168          | 102         |
|            | 62          | 10         | 050         | 6580                | 93         | 44          | 23           | 18          |
|            | 62          | 10         | 055         | 5720                | 68         | 29          |              | 29          |
|            | 62          | 10         | 065         | 3200                | 109        | 35          | 30           | 38          |
|            | 62          | 10         | 095         | 9718                | 136        | 33          | 8            | 75          |
|            | 62          | 10         | 100         | 33766               | 456        | 86          | 85           | 243         |
|            | 62          | 10         | 105         | 63798               | 954        | 254         | 208          | 365         |
|            | 62          | 10         | 110         | 126390              | 1771       | 321         | 368          | 939         |
|            | 62          | 15         | 040         | 32744               | 424        | 249         | 66           | 65          |
|            | 62          | 20         | 040         | 49538               | 1293       | 891         | 181          | 114         |
|            | 62          | 25         | 040         | 2750                | 73         | 54          | 3            | 11          |
| 7          | 61          | 00         | 050         | 12995               | 53         | 20          |              |             |
|            | 61          | 00         | 055         | 28483               | 309        | 146         |              | 108         |
|            | 61          | 00         | 060         | 312092              | 5056       | 1163        | 33           | 2731        |
|            | 61          | 00         | 065         | 181148              | 2706       | 697         | 90           | 1475        |
|            | 61          | 00         | 070         | 2925                | 79         | 54          |              | 22          |
|            | 61          | 00         | 075         | 91143               | 1375       | 498         |              | 727         |
|            | 61          | 00         | 080         | 118993              | 1745       | 710         |              | 864         |
|            | 61          | 00         | 085         | 175590              | 2327       | 696         | 3            | 1349        |
|            | 61          | 00         | 090         | 28989               | 331        | 75          | 1            | 209         |

| 가다랭이<br>SKJ | 황 새 치<br>SWO | 늑 새 치<br>BUM | 청 새 치<br>STM | 돛 새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|--------------|--------------|--------------|--------------|---------------|-------------|---------------|
| 2           | 44           | 61           | 24           | 16           |               | 83          | 256           |
|             | 8            | 8            | 19           | 2            | 18            | 15          | 158           |
|             |              | 44           | 2            |              | 10            | 23          |               |
|             |              |              | 2            |              |               |             |               |
|             | 1            | 13           | 3            |              | 1             | 8           | 13            |
|             | 7            | 9            | 4            |              |               | 10          | 38            |
|             | 2            | 5            | 1            |              | 3             | 2           | 13            |
|             | 5            | 2            | 4            | 4            |               | 8           | 38            |
| 17          | 2            | 5            | 2            | 3            | 3             | 4           | 38            |
|             | 3            | 10           | 2            |              | 4             | 4           | 26            |
|             | 4            | 11           | 5            |              | 2             | 8           | 30            |
|             | 15           | 25           | 10           | 6            | 3             | 27          | 77            |
|             |              | 16           | 2            | 61           | 3             | 15          | 73            |
|             | 4            | 10           | 2            | 5            |               | 8           | 30            |
|             |              | 1            | 2            | 3            | 2             |             |               |
|             | 1            | 1            | 2            |              |               | 2           | 4             |
| 6           |              |              |              |              |               |             |               |
|             | 4            | 8            | 3            |              | 3             | 2           |               |
|             | 3            | 7            | 3            |              | 4             | 4           | 21            |
| 3           | 4            | 37           | 5            | 7            | 7             | 21          | 43            |
| 7           | 8            | 11           | 9            | 17           | 3             | 15          | 73            |
|             |              | 4            | 3            | 7            | 2             | 2           | 26            |
|             | 5            | 8            | 6            | 24           | 2             | 15          | 47            |
|             |              | 1            | 3            | 1            |               |             |               |
|             | 1            | 4            | 7            |              | 2             | 6           | 13            |
|             | 6            | 7            | 12           |              | 5             | 8           | 17            |
|             | 315          | 94           | 112          | 13           | 116           | 96          | 333           |
| 6           | 38           | 54           | 86           | 1            | 35            | 62          | 162           |
|             | 2            | 1            |              |              |               |             |               |
|             | 10           | 24           | 22           |              | 14            | 12          | 68            |
|             | 10           | 19           | 31           |              | 28            | 19          | 64            |
|             | 24           | 25           | 57           | 2            | 17            | 52          | 102           |
| 2           | 7            | 4            | 10           |              | 1             | 8           | 9             |

| 일<br>Mnth | 해역<br>Area  |            |             | 낙시수<br>No. of hooks | 계<br>Total | 황다랭이<br>YFT | 날개다랭이<br>ALB | 눈다랭이<br>BET |
|-----------|-------------|------------|-------------|---------------------|------------|-------------|--------------|-------------|
|           | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |              |             |
| 7         | 61          | 00         | 075         | 2080                | 34         | 12          |              | 16          |
|           | 61          | 05         | 045         | 19900               | 334        | 32          |              | 295         |
|           | 61          | 05         | 050         | 17060               | 185        | 23          |              | 116         |
|           | 61          | 05         | 055         | 2665                | 62         | 23          |              | 30          |
|           | 61          | 05         | 060         | 171513              | 2376       | 214         | 2            | 1443        |
|           | 61          | 05         | 065         | 193894              | 2627       | 414         | 9            | 1619        |
|           | 61          | 05         | 075         | 5400                | 29         | 6           |              | 22          |
|           | 61          | 05         | 085         | 4950                | 14         | 1           |              | 6           |
|           | 61          | 05         | 090         | 3575                | 28         | 20          |              | 6           |
|           | 61          | 10         | 050         | 6400                | 156        | 10          | 5            | 15          |
|           | 61          | 10         | 055         | 6400                | 114        | 5           | 10           |             |
|           | 61          | 10         | 060         | 38400               | 694        | 74          | 50           | 65          |
|           | 61          | 10         | 075         | 8460                | 113        | 39          | 22           | 46          |
|           | 61          | 15         | 040         | 12800               | 170        | 32          | 8            | 10          |
|           | 61          | 15         | 050         | 12800               | 420        | 25          | 211          | 7           |
|           | 61          | 15         | 055         | 6400                | 114        | 12          | 20           | 30          |
|           | 62          | 00         | 040         | 57294               | 662        | 308         | 36           | 203         |
|           | 62          | 00         | 045         | 83183               | 775        | 274         | 3            | 362         |
|           | 62          | 00         | 050         | 14330               | 60         | 15          |              | 19          |
|           | 62          | 00         | 055         | 25165               | 381        | 190         | 3            | 136         |
|           | 62          | 00         | 060         | 40102               | 622        | 228         |              | 271         |
|           | 62          | 00         | 065         | 72586               | 1148       | 393         | 4            | 570         |
|           | 62          | 00         | 075         | 95024               | 1155       | 429         |              | 592         |
|           | 62          | 00         | 080         | 208320              | 3075       | 923         | 3            | 1853        |
|           | 62          | 00         | 085         | 265548              | 3933       | 1547        | 1            | 2038        |
|           | 62          | 00         | 090         | 262395              | 3726       | 1077        | 3            | 2236        |
|           | 62          | 00         | 095         | 31704               | 500        | 122         | 2            | 319         |
|           | 62          | 00         | 100         | 6500                | 80         | 52          |              | 20          |
|           | 62          | 00         | 120         | 1800                | 72         | 20          |              | 50          |
|           | 62          | 05         | 040         | 233504              | 2956       | 1386        | 610          | 693         |
|           | 62          | 05         | 045         | 48102               | 559        | 291         | 18           | 207         |
|           | 62          | 05         | 050         | 5850                | 199        | 117         |              | 73          |
|           | 62          | 05         | 060         | 12390               | 164        | 64          |              | 78          |

| 가다랭이<br>SKJ | 황 새 치<br>SWO | 녹 새 치<br>BUM | 청 새 치<br>STM | 돛 새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|--------------|--------------|--------------|--------------|---------------|-------------|---------------|
|             |              | 2            |              |              |               |             | 4             |
|             |              | 3            |              |              |               |             | 4             |
|             |              | 12           | 1            |              | 1             | 2           | 30            |
|             |              |              | 3            |              | 4             | 2           |               |
|             | 93           | 55           | 123          | 8            | 77            | 96          | 265           |
|             | 60           | 66           | 110          | 8            | 38            | 81          | 222           |
|             |              | 1            |              |              |               |             |               |
|             |              |              | 1            |              | 2             |             | 4             |
|             |              |              | 2            |              |               |             |               |
| 1           |              | 1            |              |              |               |             | 124           |
| 3           |              | 2            |              |              |               |             | 94            |
| 11          |              | 7            |              |              |               |             | 487           |
|             |              |              | 1            | 1            |               |             | 4             |
| 11          |              | 2            |              |              |               |             | 107           |
| 7           |              | 12           |              |              |               |             | 158           |
|             |              | 1            |              |              |               |             | 51            |
|             | 7            | 9            | 28           |              | 10            | 27          | 34            |
|             | 13           | 18           | 23           | 2            | 8             | 25          | 47            |
|             | 5            | 2            | 4            |              | 7             | 4           | 4             |
|             | 5            | 4            | 14           |              | 8             | 8           | 13            |
|             | 13           | 14           | 13           |              | 17            | 6           | 60            |
|             | 27           | 12           | 30           | 5            | 10            | 29          | 68            |
|             | 13           | 16           | 17           | 8            | 12            | 17          | 51            |
| 1           | 56           | 22           | 31           | 3            | 34            | 21          | 128           |
| 8           | 65           | 20           | 62           | 8            | 32            | 58          | 94            |
| 20          | 50           | 34           | 67           | 28           | 44            | 52          | 115           |
|             | 15           | 8            | 3            |              | 3             | 2           | 26            |
|             | 2            | 1            | 1            |              |               |             | 4             |
|             | 1            |              |              |              | 1             |             |               |
|             | 93           | 27           | 17           | 5            | 40            | 17          | 68            |
|             | 3            | 3            | 15           |              | 3             | 10          | 9             |
|             | 2            | 3            | 3            |              | 1             |             |               |
|             | 1            | 2            | 1            |              | 9             |             | 9             |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of brooks | 계<br>Total | 황다랭이<br>YFT | 날개다랭이<br>ALB | 눈다랭이<br>BET |
|------------|-------------|------------|-------------|----------------------|------------|-------------|--------------|-------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                      |            |             |              |             |
| 7          | 62          | 05         | 065         | 18152                | 265        | 119         |              | 129         |
|            | 62          | 05         | 075         | 115023               | 1660       | 559         |              | 941         |
|            | 62          | 05         | 080         | 187769               | 2714       | 839         | 1            | 1640        |
|            | 62          | 05         | 085         | 297939               | 4292       | 1427        |              | 2324        |
|            | 62          | 05         | 090         | 370089               | 6325       | 1369        | 3            | 4407        |
|            | 62          | 05         | 095         | 149000               | 1934       | 825         | 1            | 898         |
|            | 62          | 05         | 100         | 22555                | 341        | 58          | 30           | 200         |
|            | 62          | 10         | 045         | 6300                 | 47         | 16          | 16           | 8           |
|            | 62          | 10         | 050         | 9780                 | 165        | 17          | 82           | 58          |
|            | 62          | 10         | 055         | 9870                 | 173        | 75          | 53           | 24          |
|            | 62          | 10         | 060         | 3290                 | 42         | 27          |              | 8           |
|            | 62          | 10         | 065         | 5720                 | 53         | 12          | 2            | 35          |
|            | 62          | 10         | 085         | 38648                | 766        | 305         |              | 367         |
|            | 62          | 10         | 090         | 30643                | 478        | 131         | 3            | 311         |
|            | 62          | 10         | 100         | 2600                 | 14         | 3           | 3            | 6           |
|            | 62          | 10         | 105         | 3042                 | 5          | 1           | 1            | 1           |
|            | 62          | 10         | 110         | 8918                 | 142        | 8           | 47           | 74          |
|            | 62          | 15         | 050         | 5700                 | 41         | 3           | 29           | 9           |
|            | 62          | 15         | 055         | 6320                 | 26         | 2           | 17           | 4           |
| 8          | 61          | 00         | 050         | 3250                 | 60         | 15          |              | 40          |
|            | 61          | 00         | 055         | 3500                 | 25         | 6           |              | 9           |
|            | 61          | 00         | 060         | 43975                | 513        | 192         | 2            | 236         |
|            | 61          | 00         | 065         | 91800                | 1613       | 412         | 34           | 915         |
|            | 61          | 00         | 070         | 2600                 | 76         | 25          |              | 35          |
|            | 61          | 00         | 075         | 119396               | 1942       | 486         | 4            | 1201        |
|            | 61          | 00         | 080         | 56596                | 699        | 140         | 1            | 432         |
|            | 61          | 00         | 085         | 37270                | 334        | 78          |              | 205         |
|            | 61          | 00         | 090         | 138053               | 1758       | 458         | 10           | 1042        |
|            | 61          | 05         | 060         | 33170                | 409        | 144         |              | 196         |
|            | 61          | 05         | 065         | 81525                | 1137       | 146         |              | 806         |
|            | 61          | 05         | 090         | 2912                 | 12         | 1           |              | 11          |
|            | 61          | 10         | 045         | 22400                | 315        | 85          | 21           | 15          |
|            | 61          | 10         | 055         | 8400                 | 89         | 46          | 15           | 23          |

| 가다랭이<br>SKJ | 황새치<br>SWO | 늑새치<br>BUM | 청새치<br>STM | 돛새치<br>SAI | 상어<br>Sharks | 기타새치<br>OTB | 기타<br>Others |
|-------------|------------|------------|------------|------------|--------------|-------------|--------------|
|             |            | 1          | 5          |            | 3            | 4           | 4            |
|             | 19         | 15         | 30         | 4          | 7            | 25          | 60           |
| 4           | 34         | 15         | 41         | 13         | 19           | 31          | 77           |
| 1           | 28         | 42         | 116        | 27         | 28           | 90          | 209          |
| 5           | 80         | 32         | 127        | 5          | 43           | 92          | 162          |
| 5           | 35         | 18         | 35         | 2          | 17           | 25          | 73           |
|             | 3          | 14         |            |            | 2            |             | 34           |
|             | 1          | 1          | 1          |            |              | 4           |              |
|             | 2          | 2          |            |            | 4            |             |              |
|             |            | 2          |            | 5          | 1            |             | 13           |
| 2           |            | 1          |            |            |              |             | 4            |
|             | 1          | 1          |            |            | 2            |             |              |
|             | 10         | 2          | 32         | 1          | 3            | 29          | 17           |
|             | 4          | 1          | 13         | 1          | 4            | 6           | 4            |
|             |            | 1          |            |            | 1            |             |              |
|             | 1          | 1          |            |            |              |             |              |
|             | 2          | 2          |            |            | 5            |             | 4            |
| 3           |            |            |            |            |              |             |              |
|             | 1          | 1          |            |            | 1            | 2           |              |
|             | 1          |            | 2          |            | 1            | 2           | 4            |
|             | 2          | 19         | 10         |            | 3            | 2           | 47           |
| 4           | 6          | 43         | 37         | 3          | 8            | 6           | 145          |
|             |            | 2          | 1          |            |              |             | 13           |
| 8           | 5          | 32         | 45         | 2          | 10           | 8           | 141          |
| 6           | 5          | 17         | 18         |            | 6            | 6           | 68           |
|             | 2          | 7          | 9          | 3          | 4            |             | 26           |
|             | 22         | 49         | 23         | 6          | 5            | 19          | 124          |
|             | 2          | 1          | 22         | 2          | 4            | 4           | 34           |
|             | 1          | 27         | 45         | 2          | 6            | 2           | 102          |
| 10          |            | 10         |            |            |              | 54          | 120          |
|             |            | 1          |            |            |              |             | 4            |



| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 황다랭이<br>YFT | 날개다랭이<br>ALB | 눈다랭이<br>BET |
|------------|-------------|------------|-------------|---------------------|------------|-------------|--------------|-------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |              |             |
| 8          | 61          | 15         | 035         | 9600                | 114        | 9           | 27           | 5           |
|            | 61          | 15         | 040         | 19200               | 322        | 77          | 25           | 29          |
|            | 62          | 00         | 045         | 11690               | 49         | 11          | 10           | 5           |
|            | 62          | 00         | 050         | 3107                | 5          | 3           |              | 1           |
|            | 62          | 00         | 055         | 57231               | 952        | 522         | 5            | 260         |
|            | 62          | 00         | 060         | 81797               | 1110       | 422         | 18           | 535         |
|            | 62          | 00         | 065         | 268545              | 3544       | 1526        | 24           | 1755        |
|            | 62          | 00         | 070         | 151446              | 2016       | 857         | 6            | 973         |
|            | 62          | 00         | 075         | 486692              | 7619       | 2654        | 14           | 4034        |
|            | 62          | 00         | 080         | 338981              | 5313       | 1965        | 11           | 2743        |
|            | 62          | 00         | 085         | 236990              | 2963       | 974         |              | 1646        |
|            | 62          | 00         | 090         | 132511              | 1342       | 408         | 1            | 707         |
|            | 62          | 05         | 040         | 257828              | 4025       | 1766        | 979          | 920         |
|            | 62          | 05         | 045         | 19969               | 223        | 63          | 57           | 73          |
|            | 62          | 05         | 050         | 44695               | 750        | 384         | 24           | 294         |
|            | 62          | 05         | 055         | 304516              | 5144       | 3007        | 124          | 1687        |
|            | 62          | 05         | 060         | 137141              | 1524       | 572         | 3            | 785         |
|            | 62          | 05         | 065         | 188091              | 2520       | 920         | 3            | 1322        |
|            | 62          | 05         | 070         | 46021               | 482        | 145         |              | 274         |
|            | 62          | 05         | 075         | 152231              | 2063       | 518         | 11           | 1294        |
|            | 62          | 05         | 080         | 49396               | 464        | 97          | 1            | 318         |
|            | 62          | 05         | 085         | 116506              | 1533       | 565         | 1            | 754         |
|            | 62          | 05         | 090         | 48406               | 500        | 122         |              | 303         |
|            | 62          | 10         | 040         | 79210               | 1355       | 543         | 384          | 309         |
|            | 62          | 10         | 045         | 2464                | 50         | 21          | 21           | 6           |
|            | 62          | 10         | 050         | 100688              | 1617       | 596         | 439          | 503         |
|            | 62          | 10         | 055         | 171905              | 2435       | 1324        | 293          | 652         |
|            | 62          | 10         | 060         | 10889               | 83         | 36          | 8            | 31          |
|            | 62          | 10         | 065         | 5200                | 61         | 16          |              | 38          |
|            | 62          | 10         | 070         | 16905               | 242        | 63          |              | 150         |
|            | 62          | 10         | 085         | 32057               | 575        | 257         |              | 193         |
|            | 62          | 15         | 040         | 2530                | 16         | 1           | 7            | 4           |
|            | 62          | 20         | 040         | 5020                | 86         | 9           | 66           | 3           |

| 가타랭이<br>SKJ | 황 새 치<br>SWO | 녹 새 치<br>BUM | 청 새 치<br>STM | 돛 새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|--------------|--------------|--------------|--------------|---------------|-------------|---------------|
| 15          |              | 3            |              |              |               | 4           | 51            |
| 8           |              | 8            |              |              |               | 21          | 154           |
|             | 1            | 1            | 7            | 3            |               | 2           | 9             |
|             | 1            |              |              |              |               |             |               |
|             | 18           | 7            | 21           | 4            | 9             | 21          | 85            |
|             | 12           | 25           | 16           |              | 4             | 10          | 68            |
| 13          | 27           | 62           | 62           | 16           |               | 25          | 34            |
|             | 17           | 29           | 18           | 6            |               | 12          | 98            |
| 14          | 56           | 139          | 91           | 13           | 38            | 71          | 495           |
| 25          | 32           | 52           | 78           | 38           | 12            | 37          | 320           |
|             | 12           | 31           | 72           | 22           | 12            | 10          | 184           |
|             | 10           | 36           | 38           | 6            | 4             | 12          | 120           |
|             | 28           | 39           | 38           | 2            | 28            | 37          | 188           |
|             | 4            |              | 6            |              | 3             | 4           | 13            |
|             | 2            | 5            | 5            |              | 4             | 2           | 30            |
|             | 19           | 19           | 42           | 3            | 21            | 21          | 201           |
|             | 13           | 8            | 32           | 11           | 6             | 17          | 77            |
| 9           | 15           | 16           | 48           | 10           | 13            | 19          | 145           |
| 2           | 5            | 8            | 11           | 3            | 2             | 6           | 26            |
| 15          | 14           | 17           | 32           | 6            | 11            | 17          | 128           |
|             | 3            | 2            | 13           | 3            | 2             | 4           | 21            |
|             | 13           | 10           | 53           | 7            | 4             | 15          | 111           |
|             | 1            | 3            | 27           |              | 1             |             | 43            |
|             | 10           | 17           | 13           |              | 4             | 8           | 47            |
|             |              |              |              |              | 2             |             |               |
|             | 3            | 2            | 10           |              | 7             | 6           | 51            |
|             | 6            | 7            | 25           | 28           | 11            | 8           | 81            |
|             | 1            | 1            |              |              |               | 2           | 4             |
|             |              | 1            | 2            |              |               |             | 4             |
|             | 2            | 1            | 3            |              | 4             | 2           | 17            |
|             | 8            | 5            | 24           | 14           | 4             | 6           | 64            |
|             |              |              | 4            |              |               |             |               |
|             | 3            |              |              |              | 1             |             | 4             |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 황다랭이<br>YFT | 날개 다랭이<br>ALB | 눈다랭이<br>BET |
|------------|-------------|------------|-------------|---------------------|------------|-------------|---------------|-------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |               |             |
| 8          | 62          | 25         | 040         | 33650               | 1319       | 30          | 1138          | 68          |
| 9          | 61          | 00         | 050         | 2925                | 9          | 2           |               | 3           |
|            | 61          | 00         | 055         | 29223               | 333        | 141         |               | 139         |
|            | 61          | 00         | 060         | 362954              | 6057       | 2582        | 22            | 2750        |
|            | 61          | 00         | 065         | 597727              | 11690      | 5476        | 85            | 5007        |
|            | 61          | 00         | 070         | 27503               | 374        | 225         |               | 95          |
|            | 61          | 00         | 075         | 120691              | 1682       | 453         | 4             | 1030        |
|            | 61          | 00         | 090         | 34091               | 361        | 83          |               | 232         |
|            | 61          | 05         | 050         | 18420               | 326        | 120         |               | 178         |
|            | 61          | 05         | 055         | 123022              | 1773       | 434         |               | 1123        |
|            | 61          | 05         | 060         | 165316              | 2509       | 505         | 1             | 1533        |
|            | 61          | 05         | 065         | 98947               | 1519       | 528         | 2             | 797         |
|            | 62          | 00         | 040         | 43285               | 488        | 68          | 1             | 321         |
|            | 62          | 00         | 045         | 41966               | 433        | 120         | 20            | 196         |
|            | 62          | 00         | 050         | 23530               | 287        | 145         | 3             | 84          |
|            | 62          | 00         | 055         | 17818               | 156        | 87          | 3             | 30          |
|            | 62          | 00         | 060         | 282673              | 4064       | 1712        | 23            | 1919        |
|            | 62          | 00         | 065         | 129682              | 2085       | 820         | 6             | 1124        |
|            | 62          | 00         | 070         | 86030               | 1131       | 377         | 10            | 602         |
|            | 62          | 00         | 075         | 130767              | 1492       | 386         | 25            | 942         |
|            | 62          | 00         | 080         | 59800               | 740        | 158         |               | 489         |
|            | 62          | 00         | 085         | 100945              | 825        | 344         | 2             | 343         |
|            | 62          | 00         | 090         | 181469              | 2001       | 800         |               | 1018        |
|            | 62          | 00         | 095         | 62655               | 904        | 167         |               | 639         |
|            | 62          | 05         | 040         | 217983              | 2600       | 969         | 193           | 1052        |
|            | 62          | 05         | 045         | 284460              | 4048       | 1894        | 80            | 1711        |
|            | 62          | 05         | 050         | 199275              | 3306       | 1622        | 123           | 1423        |
|            | 62          | 05         | 055         | 182639              | 3259       | 1249        | 96            | 1721        |
|            | 62          | 05         | 060         | 43435               | 687        | 242         |               | 394         |
|            | 62          | 05         | 065         | 25656               | 560        | 270         |               | 259         |
|            | 62          | 05         | 070         | 50355               | 531        | 222         | 15            | 228         |
|            | 62          | 05         | 075         | 24840               | 293        | 73          |               | 184         |
|            | 62          | 05         | 085         | 13615               | 167        | 50          |               | 97          |
|            | 62          | 05         | 090         | 137895              | 1810       | 519         | 2             | 1076        |

| 가다랭이<br>SKJ | 황 새 치<br>SWO | 녹 새 치<br>BUM | 청 새 치<br>STM | 돛 새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|--------------|--------------|--------------|--------------|---------------|-------------|---------------|
|             | 9            | 2            | 2            | 1            | 14            | 12          | 43            |
|             |              |              | 4            |              |               |             |               |
| 1           | 9            | 7            |              |              | 2             | 4           | 30            |
| 43          | 84           | 59           | 6            |              | 81            | 46          | 384           |
| 87          | 241          | 64           | 8            |              | 92            | 81          | 549           |
| 7           | 12           | 3            |              |              | 5             | 10          | 17            |
| 2           | 13           | 14           | 6            |              | 31            | 10          | 119           |
|             | 14           | 6            |              |              | 7             | 2           | 17            |
|             |              | 9            | 1            |              | 12            | 2           | 4             |
| 14          | 42           | 14           | 2            |              | 44            | 15          | 85            |
| 23          | 28           | 49           | 6            |              | 55            | 27          | 282           |
| 5           | 22           | 15           | 5            |              | 28            | 6           | 111           |
|             |              |              |              |              |               |             |               |
| 3           | 3            | 10           | 2            |              | 21            | 4           | 55            |
| 1           | 13           | 5            | 1            |              |               | 4           | 73            |
| 4           | 4            | 7            | 1            |              | 7             | 2           | 30            |
| 6           | 4            | 2            | 2            |              | 3             | 2           | 17            |
| 31          | 50           | 26           | 4            |              | 43            | 21          | 235           |
| 13          | 18           | 7            | 1            |              | 11            | 8           | 77            |
| 8           | 7            | 5            | 6            |              | 26            | 12          | 78            |
| 2           | 36           | 9            | 9            |              | 11            | 17          | 55            |
|             | 26           | 4            |              |              | 8             | 4           | 51            |
| 6           | 10           | 9            | 8            |              | 12            | 10          | 81            |
| 14          | 43           | 11           | 15           |              | 5             | 27          | 68            |
| 8           | 33           | 3            | 6            |              | 14            | 8           | 26            |
|             |              |              |              |              |               |             |               |
| 29          | 31           | 26           | 4            |              | 70            | 25          | 201           |
| 39          | 31           | 25           | 3            |              | 59            | 27          | 179           |
| 15          | 20           | 12           | 1            |              | 1             | 12          | 77            |
| 31          | 13           | 10           | 3            |              | 36            | 19          | 81            |
| 7           | 9            | 6            |              |              | 4             | 4           | 21            |
| 3           | 9            | 3            |              |              | 3             | 4           | 9             |
| 4           | 7            | 4            | 3            |              | 8             | 10          | 30            |
| 5           | 4            | 2            | 3            |              | 1             | 4           | 17            |
|             | 2            | 1            |              |              |               |             | 17            |
| 10          | 37           | 9            | 1            |              | 5             | 10          | 141           |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 황다랭이<br>YFT | 날개다랭이<br>ALB | 눈다랭이<br>BET |
|------------|-------------|------------|-------------|---------------------|------------|-------------|--------------|-------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |              |             |
| 9          | 62          | 05         | 100         | 2800                | 18         |             |              | 12          |
|            | 62          | 10         | 040         | 124808              | 1980       | 747         | 517          | 505         |
|            | 62          | 10         | 045         | 64920               | 713        | 359         | 71           | 219         |
|            | 62          | 10         | 050         | 8975                | 89         | 59          | 4            | 14          |
|            | 62          | 10         | 055         | 39487               | 504        | 283         | 11           | 166         |
|            | 62          | 10         | 065         | 2860                | 36         | 22          |              | 12          |
|            | 62          | 10         | 070         | 16090               | 301        | 122         |              | 131         |
|            | 62          | 10         | 090         | 2800                | 89         | 9           |              | 79          |
|            | 62          | 25         | 035         | 28990               | 1124       | 46          | 978          | 50          |
|            | 62          | 25         | 040         | 47720               | 2261       | 115         | 1936         | 99          |
| 10         | 61          | 00         | 050         | 15191               | 163        | 63          |              | 67          |
|            | 61          | 00         | 055         | 36280               | 1535       | 262         |              | 1187        |
|            | 61          | 00         | 060         | 16289               | 223        | 38          |              | 166         |
|            | 61          | 00         | 065         | 215335              | 3726       | 1861        | 4            | 1522        |
|            | 61          | 00         | 070         | 98441               | 1875       | 1036        | 1            | 563         |
|            | 61          | 00         | 075         | 172559              | 3470       | 1492        | 1            | 1553        |
|            | 61          | 00         | 080         | 28825               | 257        | 138         |              | 85          |
|            | 61          | 00         | 085         | 5933                | 71         | 8           |              | 27          |
|            | 61          | 00         | 090         | 8970                | 235        | 60          | 5            | 105         |
|            | 61          | 05         | 055         | 11128               | 148        | 30          |              | 83          |
|            | 61          | 05         | 065         | 26876               | 342        | 95          |              | 188         |
|            | 61          | 10         | 050         | 6400                | 97         | 6           | 15           | 10          |
|            | 61          | 15         | 070         | 22400               | 359        | 70          | 32           | 27          |
|            | 62          | 00         | 040         | 26870               | 198        | 80          |              | 81          |
|            | 62          | 00         | 045         | 12996               | 148        | 43          |              | 65          |
|            | 62          | 00         | 050         | 136454              | 2154       | 1033        |              | 774         |
|            | 62          | 00         | 055         | 101602              | 1402       | 728         |              | 531         |
|            | 62          | 00         | 060         | 73229               | 849        | 205         |              | 526         |
|            | 62          | 00         | 065         | 40357               | 740        | 278         | 4            | 419         |
|            | 62          | 00         | 070         | 39550               | 602        | 139         |              | 423         |
|            | 62          | 00         | 075         | 24055               | 295        | 151         |              | 92          |

| 가다랭이<br>SKJ | 황 새 치<br>SWO | 늑 새 치<br>BUM | 청 새 치<br>STM | 돛 새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|--------------|--------------|--------------|--------------|---------------|-------------|---------------|
|             | 1            | 3            |              |              |               | 2           |               |
|             | 15           | 31           | 14           | 2            | 27            | 15          | 107           |
|             | 2            | 5            | 4            |              | 8             | 4           | 41            |
|             |              | 3            | 2            |              | 7             |             |               |
|             | 1            | 3            | 5            | 4            | 12            | 2           | 17            |
|             | 1            |              | 1            |              |               |             |               |
|             | 5            | 3            | 3            | 2            | 2             | 12          | 21            |
|             | 1            |              |              |              |               |             |               |
|             | 5            | 1            | 1            | 3            | 17            | 6           | 17            |
|             | 26           | 3            | 1            | 5            | 41            | 12          | 23            |
|             |              |              |              |              |               |             |               |
|             | 1            |              | 15           |              |               |             | 17            |
|             | 3            | 2            | 35           |              | 2             | 10          | 34            |
|             | 5            |              | 2            |              | 4             |             | 8             |
|             | 31           | 16           | 69           | 4            | 9             | 56          | 154           |
|             |              | 43           | 32           |              | 3             | 142         | 55            |
| 11          | 8            | 3            | 102          | 3            | 20            | 8           | 269           |
|             |              | 1            | 10           |              |               | 10          | 13            |
|             |              | 1            | 2            | 1            |               | 2           | 30            |
|             | 15           | 1            | 7            |              |               | 8           | 34            |
|             |              |              |              |              |               |             |               |
|             | 2            | 1            | 2            |              | 2             | 2           | 26            |
|             |              | 2            | 14           | 2            | 3             | 8           | 30            |
| 4           |              |              |              |              |               | 2           | 60            |
|             |              |              |              |              |               |             |               |
| 11          |              | 2            |              |              |               | 8           | 209           |
|             |              |              |              |              |               |             |               |
|             | 2            | 2            | 8            | 2            |               | 2           | 21            |
|             | 2            | 2            | 13           |              |               | 2           | 21            |
|             | 17           | 7            | 40           | 4            | 13            | 44          | 222           |
|             | 14           | 8            | 20           | 4            | 2             | 35          | 60            |
| 4           | 4            | 13           | 9            |              | 4             | 46          | 38            |
| 1           | 11           | 2            | 2            |              | 2             | 8           | 13            |
|             | 4            | 1            | 6            | 3            | 3             | 6           | 17            |
|             | 1            | 1            | 5            |              | 5             | 6           | 34            |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 황다랭이<br>YFT | 날개 다랭이<br>ALB | 눈다랭이<br>BET |
|------------|-------------|------------|-------------|---------------------|------------|-------------|---------------|-------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |               |             |
| 10         | 62          | 00         | 080         | 5400                | 30         | 4           |               | 23          |
|            | 62          | 00         | 090         | 6400                | 55         | 25          |               | 30          |
|            | 62          | 00         | 095         | 3360                | 24         | 8           |               | 14          |
|            | 62          | 05         | 040         | 158618              | 3007       | 1223        | 170           | 1306        |
|            | 62          | 05         | 045         | 58083               | 801        | 365         | 3             | 316         |
|            | 62          | 05         | 050         | 792833              | 14041      | 7873        | 34            | 4940        |
|            | 62          | 05         | 055         | 835480              | 14665      | 7187        | 17            | 6203        |
|            | 62          | 05         | 060         | 168783              | 2494       | 833         | 9             | 1329        |
|            | 62          | 05         | 065         | 98536               | 1248       | 538         | 5             | 596         |
|            | 62          | 05         | 070         | 10620               | 126        | 32          |               | 73          |
|            | 62          | 05         | 075         | 5850                | 26         | 12          |               | 12          |
|            | 62          | 05         | 085         | 33600               | 594        | 96          |               | 479         |
|            | 62          | 05         | 090         | 38810               | 677        | 155         |               | 483         |
|            | 62          | 05         | 095         | 34018               | 512        | 122         | 5             | 346         |
|            | 62          | 10         | 040         | 94205               | 1747       | 806         | 393           | 325         |
|            | 62          | 10         | 050         | 122187              | 1964       | 713         | 105           | 980         |
|            | 62          | 10         | 055         | 29864               | 399        | 204         | 15            | 157         |
|            | 62          | 10         | 065         | 62933               | 852        | 281         | 3             | 459         |
|            | 62          | 10         | 070         | 13545               | 213        | 61          |               | 118         |
|            | 62          | 10         | 085         | 33600               | 732        | 89          | 1             | 593         |
|            | 62          | 10         | 095         | 11652               | 226        | 61          | 46            | 107         |
|            | 62          | 10         | 100         | 18820               | 343        | 50          | 56            | 215         |
|            | 62          | 15         | 055         | 3055                | 31         | 3           |               | 17          |
|            | 62          | 25         | 035         | 20190               | 655        | 47          | 540           | 34          |
|            | 62          | 30         | 035         | 15660               | 385        | 26          | 319           | 20          |
| 11         | 61          | 00         | 050         | 74773               | 1211       | 300         |               | 776         |
|            | 61          | 00         | 055         | 9036                | 126        | 17          |               | 99          |
|            | 61          | 00         | 060         | 2925                | 18         | 7           |               | 6           |
|            | 61          | 00         | 070         | 11540               | 136        | 83          |               | 52          |
|            | 61          | 00         | 075         | 53073               | 844        | 395         | 1             | 290         |
|            | 61          | 00         | 080         | 4590                | 72         | 28          |               | 30          |
|            | 61          | 00         | 085         | 22755               | 551        | 90          |               | 372         |



| 가다랭이<br>SKJ | 완 새 치<br>SWO | 늑 새 치<br>BUM | 청 새 치<br>STM | 돛 새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|--------------|--------------|--------------|--------------|---------------|-------------|---------------|
|             |              | 3            |              |              |               |             |               |
|             |              |              | 2            |              |               |             |               |
|             | 27           | 35           | 42           |              | 13            | 37          | 154           |
|             | 5            | 3            | 23           | 2            | 4             | 12          | 68            |
| 1           | 109          | 29           | 153          | 48           | 45            | 156         | 653           |
|             | 113          | 35           | 215          | 25           | 40            | 177         | 653           |
|             | 22           | 6            | 51           | 49           | 4             | 37          | 154           |
|             | 5            | 4            | 23           | 5            |               | 25          | 47            |
|             | 1            |              | 3            |              | 4             |             | 13            |
|             |              |              | 2            |              |               |             |               |
|             | 2            | 2            | 1            | 2            |               | 8           | 4             |
|             | 5            | 2            | 8            | 1            |               | 2           | 21            |
| 6           | 2            |              | 5            | 3            | 6             |             | 17            |
|             |              |              |              |              |               |             |               |
|             | 27           | 6            | 25           |              | 10            | 27          | 128           |
| 4           | 4            | 4            | 10           | 3            | 11            | 19          | 111           |
|             | 2            |              |              | 2            | 2             |             | 17            |
|             | 5            | 1            | 22           | 2            | 5             | 6           | 68            |
|             |              | 1            | 2            | 1            | 2             | 2           | 26            |
|             | 3            | 2            | 2            | 1            | 3             | 8           | 30            |
| 4           | 2            | 1            | 1            |              |               |             | 4             |
| 5           |              | 1            | 3            |              | 3             | 2           | 8             |
|             |              |              |              |              |               |             |               |
|             |              |              |              |              |               | 2           | 4             |
|             |              |              |              |              |               |             |               |
|             | 13           | 1            |              | 1            | 2             |             | 17            |
|             |              |              |              |              |               |             |               |
|             | 5            |              |              |              | 2             |             | 13            |
|             |              |              |              |              |               |             |               |
|             | 15           | 12           | 21           | 2            | 18            | 29          | 38            |
|             | 2            |              | 2            |              | 2             |             | 4             |
|             |              |              |              |              | 1             |             | 4             |
|             |              | 1            |              |              |               |             |               |
|             | 4            | 4            | 53           |              | 26            | 19          | 52            |
|             |              |              | 7            |              | 3             | 2           | 2             |
|             |              |              |              |              |               |             |               |
|             |              | 3            | 21           | 1            | 7             | 17          | 35            |

| 월<br>Month | 해역<br>Area  |            |             | 낙시수<br>No. of hooks | 계<br>Total | 황다랭이<br>YFT | 날개다랭이<br>ALB | 눈다랭이<br>BET |
|------------|-------------|------------|-------------|---------------------|------------|-------------|--------------|-------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |              |             |
| 11         | 61          | 00         | 090         | 14940               | 153        | 26          |              | 63          |
|            | 61          | 05         | 050         | 2925                | 21         | 1           |              | 9           |
|            | 61          | 05         | 090         | 9090                | 43         | 11          |              | 19          |
|            | 61          | 10         | 055         | 9600                | 269        | 125         | 1            | 130         |
|            | 61          | 15         | 055         | 3200                | 30         | 17          | 1            | 12          |
|            | 61          | 15         | 060         | 6400                | 133        | 55          | 2            | 57          |
|            | 62          | 00         | 040         | 93383               | 1765       | 533         | 2            | 1065        |
|            | 62          | 00         | 045         | 10940               | 94         | 41          |              | 26          |
|            | 62          | 00         | 050         | 74073               | 1164       | 613         | 10           | 424         |
|            | 62          | 00         | 055         | 82641               | 950        | 396         | 35           | 395         |
|            | 62          | 00         | 060         | 21923               | 402        | 169         |              | 210         |
|            | 62          | 00         | 065         | 13163               | 162        | 47          |              | 103         |
|            | 62          | 00         | 070         | 9670                | 91         | 35          |              | 51          |
|            | 62          | 00         | 075         | 6071                | 31         | 12          |              | 17          |
|            | 62          | 00         | 080         | 12558               | 97         | 51          |              | 39          |
|            | 62          | 00         | 085         | 12514               | 167        | 55          |              | 107         |
|            | 62          | 00         | 090         | 34850               | 318        | 48          |              | 258         |
|            | 62          | 05         | 035         | 2900                | 9          | 3           |              | 5           |
|            | 62          | 05         | 040         | 489945              | 10071      | 4991        | 12           | 4247        |
|            | 62          | 05         | 045         | 354542              | 6460       | 2903        | 3            | 3052        |
|            | 62          | 05         | 050         | 504774              | 8298       | 4948        | 6            | 2741        |
|            | 62          | 05         | 055         | 238181              | 3224       | 1533        | 1            | 1508        |
|            | 62          | 05         | 060         | 8725                | 71         | 38          |              | 25          |
|            | 62          | 05         | 065         | 15640               | 172        | 46          |              | 111         |
|            | 62          | 05         | 070         | 12441               | 179        | 25          |              | 125         |
|            | 62          | 05         | 075         | 2964                | 20         | 3           |              | 15          |
|            | 62          | 05         | 080         | 6175                | 25         | 2           |              | 16          |
|            | 62          | 05         | 085         | 19560               | 121        | 9           |              | 94          |
|            | 62          | 05         | 090         | 38774               | 539        | 86          | 6            | 419         |
|            | 62          | 05         | 095         | 60793               | 1518       | 200         | 33           | 1205        |
|            | 62          | 05         | 100         | 9360                | 302        | 34          | 12           | 247         |
|            | 62          | 10         | 040         | 34375               | 745        | 487         | 3            | 218         |

| 가다랭이<br>SKJ | 황새치<br>SWO | 녹새치<br>BUM | 청새치<br>STM | 돛새치<br>SAI | 상어<br>Sharks | 기타새치<br>OTB | 기타<br>Others |
|-------------|------------|------------|------------|------------|--------------|-------------|--------------|
|             |            | 10         | 9          |            | 4            | 8           | 33           |
|             | 2          |            | 4          |            | 1            |             | 4            |
|             |            | 2          | 4          |            | 1            | 2           | 4            |
|             |            | 2          |            |            |              |             | 11           |
|             |            | 15         |            |            |              |             | 4            |
|             | 16         | 39         | 21         | 1          | 18           | 19          | 51           |
|             | 1          |            | 6          |            | 3            | 17          |              |
|             | 13         | 19         | 27         | 9          | 7            | 21          | 21           |
|             | 8          | 46         | 18         | 6          | 4            | 12          | 30           |
|             |            | 4          | 8          |            | 1            | 6           | 4            |
|             |            | 7          |            |            | 1            |             | 4            |
|             |            | 2          | 3          |            |              |             |              |
|             |            |            | 2          |            |              |             |              |
|             | 1          | 1          | 3          |            |              | 2           |              |
|             |            | 1          | 2          |            |              | 2           |              |
|             | 4          |            | 2          |            |              | 2           | 4            |
|             |            |            | 1          |            |              |             |              |
|             | 89         | 195        | 132        | 5          | 65           | 144         | 191          |
|             | 77         | 54         | 111        | 3          | 37           | 92          | 128          |
|             | 102        | 70         | 118        | 8          | 49           | 123         | 133          |
|             | 59         | 22         | 32         | 3          | 9            | 31          | 26           |
|             |            | 1          | 4          |            |              | 2           | 1            |
|             | 2          | 3          | 2          | 3          | 1            |             | 4            |
|             | 3          | 9          | 4          |            |              |             | 13           |
|             |            | 1          |            | 1          |              |             |              |
|             | 1          | 2          | 1          |            | 3            |             |              |
|             | 3          | 5          | 1          |            | 1            | 4           | 4            |
|             | 5          | 13         | 2          |            | 2            | 2           | 4            |
|             | 9          | 14         | 11         | 1          | 2            | 17          | 26           |
|             | 1          |            | 4          |            |              | 4           |              |
|             | 11         | 4          | 8          | 3          | 1            | 6           | 4            |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 황다랭이<br>YFT | 날개 다랭이<br>ALB | 눈다랭이<br>BET |
|------------|-------------|------------|-------------|---------------------|------------|-------------|---------------|-------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |               |             |
| 11         | 62          | 10         | 045         | 21670               | 517        | 321         | 5             | 157         |
|            | 62          | 10         | 050         | 158863              | 2324       | 811         | 20            | 1368        |
|            | 62          | 10         | 055         | 182547              | 3297       | 816         | 178           | 2168        |
|            | 62          | 10         | 060         | 5880                | 52         | 7           | 26            | 4           |
|            | 62          | 10         | 070         | 8892                | 110        | 7           |               | 85          |
|            | 62          | 10         | 080         | 12350               | 138        | 28          | 1             | 100         |
|            | 62          | 10         | 085         | 42000               | 784        | 59          | 1             | 695         |
|            | 62          | 10         | 090         | 45046               | 1035       | 120         | 72            | 802         |
|            | 62          | 10         | 095         | 99126               | 2252       | 309         | 177           | 1658        |
|            | 62          | 10         | 100         | 89610               | 2153       | 127         | 182           | 1722        |
|            | 62          | 15         | 045         | 12800               | 295        | 162         | 15            | 99          |
|            | 62          | 15         | 055         | 32320               | 605        | 208         | 343           | 20          |
|            | 62          | 15         | 060         | 2430                | 30         | 9           | 18            | 1           |
|            | 62          | 15         | 065         | 2590                | 17         | 12          |               | 2           |
|            | 62          | 20         | 055         | 2960                | 36         | 1           | 32            |             |
|            | 62          | 20         | 060         | 22440               | 236        | 93          | 24            | 102         |
|            | 62          | 20         | 065         | 5430                | 52         | 7           | 41            | 1           |
|            | 62          | 20         | 090         | 2700                | 26         | 4           |               | 21          |
| 12         | 61          | 00         | 045         | 27831               | 311        | 39          | 66            | 50          |
|            | 61          | 00         | 050         | 194114              | 3203       | 613         |               | 2143        |
|            | 61          | 00         | 055         | 50177               | 663        | 236         |               | 286         |
|            | 61          | 00         | 060         | 31013               | 239        | 35          |               | 149         |
|            | 61          | 00         | 065         | 2925                | 13         |             |               | 8           |
|            | 61          | 00         | 075         | 3120                | 84         | 6           |               | 66          |
|            | 61          | 00         | 085         | 5760                | 26         |             |               | 16          |
|            | 61          | 00         | 090         | 2700                | 74         | 15          |               | 48          |
|            | 61          | 05         | 050         | 2700                | 20         | 1           |               | 13          |
|            | 61          | 05         | 055         | 17420               | 99         | 5           |               | 55          |
|            | 61          | 05         | 060         | 27130               | 110        |             |               | 82          |
|            | 61          | 05         | 065         | 15440               | 320        | 4           |               | 259         |
|            | 61          | 10         | 060         | 9400                | 73         | 10          | 15            | 25          |
|            | 61          | 10         | 065         | 9600                | 133        | 10          | 30            | 45          |

| 가다랭이<br>SKJ | 황 새 치<br>SWO | 녹 새 치<br>BUM | 청 새 치<br>STM | 돛 새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|--------------|--------------|--------------|--------------|---------------|-------------|---------------|
|             | 3            | 9            | 2            |              | 1             | 2           | 17            |
|             | 13           | 16           | 15           |              | 11            | 15          | 55            |
|             | 24           | 18           | 24           | 3            |               | 17          | 49            |
|             |              | 2            | 2            |              | 3             | 4           | 4             |
|             | 2            | 1            | 2            |              |               |             | 13            |
|             | 2            | 3            | 2            |              |               | 2           |               |
|             | 5            | 9            | 4            | 5            | 2             | 4           |               |
|             | 12           | 10           | 7            |              | 2             | 6           | 4             |
|             | 16           | 36           | 14           |              | 6             | 19          | 17            |
|             | 15           | 36           | 19           |              | 6             | 25          | 21            |
|             |              |              | 7            |              |               | 6           | 6             |
|             |              | 5            | 4            | 4            | 4             | 4           | 13            |
|             | 1            | 1            |              |              |               |             |               |
|             |              | 1            | 1            | 1            |               |             |               |
|             |              |              |              |              | 3             |             |               |
|             |              | 3            |              |              |               |             | 14            |
|             |              | 1            | 1            |              | 1             |             |               |
|             | 1            |              |              |              |               |             |               |
| 14          |              | 14           | 4            | 1            | 6             | 6           | 111           |
|             | 42           | 33           | 83           | 1            | 119           | 122         | 47            |
| 6           |              | 18           | 21           |              | 39            | 31          | 26            |
|             | 9            | 5            | 5            |              | 30            | 6           |               |
|             |              |              |              |              | 5             |             |               |
|             | 4            | 6            |              |              | 2             |             |               |
|             |              | 10           |              |              |               |             |               |
|             |              | 5            | 2            |              | 2             | 2           |               |
|             |              | 6            |              |              |               |             |               |
|             | 9            | 3            | 8            |              | 9             | 10          |               |
|             | 7            | 3            | 4            |              | 8             | 6           |               |
|             | 2            | 15           | 6            |              | 17            | 17          |               |
| 10          |              | 5            |              |              |               |             | 8             |
| 7           |              | 3            |              |              |               |             | 38            |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 황다랭이<br>YFT | 날개다랭이<br>ALB | 눈다랭이<br>BET |
|------------|-------------|------------|-------------|---------------------|------------|-------------|--------------|-------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |              |             |
| 12         | 61          | 15         | 055         | 38200               | 625        | 75          | 102          | 80          |
|            | 62          | 00         | 040         | 75142               | 728        | 188         |              | 458         |
|            | 62          | 00         | 045         | 93582               | 1107       | 405         | 3            | 562         |
|            | 62          | 00         | 050         | 91228               | 1595       | 599         |              | 700         |
|            | 62          | 00         | 055         | 23271               | 265        | 69          |              | 136         |
|            | 62          | 00         | 065         | 29220               | 368        | 75          |              | 247         |
|            | 62          | 00         | 070         | 86054               | 1726       | 850         |              | 709         |
|            | 62          | 00         | 075         | 11280               | 288        | 73          |              | 199         |
|            | 62          | 05         | 040         | 301720              | 5980       | 3306        | 7            | 2349        |
|            | 62          | 05         | 045         | 218945              | 3675       | 1597        | 2            | 1780        |
|            | 62          | 05         | 050         | 192998              | 3034       | 1616        | 1            | 1166        |
|            | 62          | 05         | 055         | 19425               | 221        | 106         | 1            | 93          |
|            | 62          | 05         | 065         | 17280               | 354        | 151         |              | 190         |
|            | 62          | 05         | 070         | 32185               | 315        | 142         |              | 123         |
|            | 62          | 05         | 075         | 3080                | 31         | 6           |              | 18          |
|            | 62          | 05         | 085         | 3080                | 28         | 9           |              | 13          |
|            | 62          | 05         | 090         | 11695               | 192        | 62          |              | 125         |
|            | 62          | 05         | 095         | 199438              | 3043       | 661         | 50           | 2144        |
|            | 62          | 05         | 100         | 55637               | 881        | 186         | 10           | 637         |
|            | 62          | 10         | 040         | 118725              | 1631       | 798         | 14           | 683         |
|            | 62          | 10         | 045         | 47495               | 575        | 291         | 11           | 218         |
|            | 62          | 10         | 050         | 153436              | 3211       | 891         | 50           | 2018        |
|            | 62          | 10         | 055         | 81915               | 1002       | 215         | 5            | 710         |
|            | 62          | 10         | 075         | 3080                | 36         | 9           |              | 24          |
|            | 62          | 10         | 090         | 12105               | 218        | 34          | 23           | 157         |
|            | 62          | 10         | 095         | 217577              | 3757       | 533         | 324          | 2576        |
|            | 62          | 10         | 100         | 177650              | 3116       | 484         | 162          | 2285        |
|            | 62          | 10         | 105         | 13195               | 208        | 60          | 5            | 135         |
|            | 62          | 15         | 040         | 21060               | 429        | 299         | 4            | 76          |
|            | 62          | 20         | 040         | 132490              | 2757       | 1855        | 105          | 463         |
|            | 62          | 25         | 035         | 1990                | 17         | 8           | 8            |             |
|            | 62          | 25         | 040         | 10850               | 104        | 24          | 70           | 4           |
|            | 62          | 25         | 045         | 8900                | 123        | 75          | 26           | 7           |

| 가다랭이<br>SKJ | 황 새 치<br>SWO | 녹 새 치<br>BUM | 청 새 치<br>STM | 돛 새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|--------------|--------------|--------------|--------------|---------------|-------------|---------------|
| 23          |              | 25           |              |              |               |             | 320           |
|             | 18           | 19           | 13           |              | 5             | 23          | 4             |
|             | 14           | 17           | 23           | 2            | 28            | 40          | 13            |
|             | 4            | 33           | 21           | 3            | 30            | 154         | 51            |
|             | 1            | 4            | 12           | 1            | 4             | 17          | 21            |
|             | 8            |              | 8            | 1            | 19            | 10          |               |
| 1           | 23           | 39           | 22           | 5            | 40            | 37          |               |
|             | 2            | 2            | 4            | 1            | 1             | 6           |               |
|             |              |              |              |              |               |             |               |
|             | 35           | 89           | 51           | 3            | 43            | 67          | 30            |
|             | 40           | 105          | 32           | 10           | 35            | 27          | 47            |
| 2           | 32           | 38           | 41           | 12           | 41            | 77          | 8             |
|             | 5            | 5            | 2            | 1            | 2             | 2           | 4             |
|             | 3            | 1            | 2            |              | 3             | 4           |               |
|             | 13           | 6            | 12           | 2            | 5             | 12          |               |
|             |              | 7            |              |              |               |             |               |
|             |              | 3            | 2            |              | 1             |             |               |
|             | 1            | 3            | 1            |              |               |             |               |
| 3           | 27           | 41           | 21           | 6            | 20            | 44          | 26            |
| 4           | 8            | 10           | 3            |              | 15            | 8           |               |
|             |              |              |              |              |               |             |               |
|             | 16           | 44           | 14           | 11           | 9             | 42          |               |
|             | 4            | 13           | 6            | 5            | 10            | 17          |               |
|             | 24           | 59           | 32           | 4            | 34            | 48          | 51            |
|             | 13           | 5            | 12           |              | 17            | 17          | 8             |
|             |              | 3            |              |              |               |             |               |
|             | 1            |              |              |              | 1             | 2           |               |
| 1           | 38           | 59           | 19           | 1            | 7             | 37          | 162           |
| 1           | 35           | 48           | 11           | 2            | 24            | 21          | 43            |
|             | 6            | 1            | 1            |              | 1             |             |               |
|             |              |              |              |              |               |             |               |
|             | 4            | 5            | 2            | 6            | 1             | 6           | 26            |
|             |              |              |              |              |               |             |               |
|             | 22           | 149          | 16           | 29           | 17            | 58          | 43            |
|             |              |              |              |              |               |             |               |
|             |              |              | 1            |              |               |             |               |
|             |              |              | 3            | 1            | 2             |             |               |
|             | 1            | 3            |              |              | 11            |             |               |





太 平 洋

Pacific Ocean



太 平 洋

Pacific Ocean

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개 다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|---------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |               |
| 1          | 61          | 00         | 145         | 50640               | 2122       |             | 1458        |               |
|            | 61          | 00         | 155         | 15600               | 387        |             | 310         |               |
|            | 61          | 00         | 160         | 34870               | 755        | 75          | 391         | 147           |
|            | 61          | 00         | 165         | 15120               | 222        |             | 161         | 5             |
|            | 61          | 00         | 170         | 25279               | 387        |             | 164         | 2             |
|            | 61          | 00         | 175         | 121377              | 2227       | 81          | 1149        | 193           |
|            | 61          | 05         | 170         | 2640                | 26         |             | 16          |               |
|            | 61          | 05         | 175         | 27232               | 482        |             | 318         | 7             |
|            | 62          | 00         | 160         | 19638               | 558        |             | 463         |               |
|            | 62          | 00         | 165         | 5852                | 60         |             | 19          |               |
|            | 62          | 00         | 170         | 2472                | 50         |             | 30          |               |
|            | 62          | 00         | 175         | 22100               | 236        |             | 99          |               |
|            | 62          | 05         | 160         | 12683               | 218        |             | 154         | 8             |
|            | 62          | 05         | 165         | 12360               | 241        |             | 106         | 55            |
|            | 62          | 05         | 170         | 56490               | 1078       |             | 211         | 524           |
|            | 62          | 05         | 175         | 22660               | 214        | 69          | 28          | 82            |
|            | 62          | 10         | 165         | 41220               | 749        |             | 111         | 500           |
|            | 62          | 10         | 170         | 5200                | 63         |             | 12          | 36            |
|            | 62          | 10         | 175         | 19580               | 233        |             | 34          | 151           |
|            | 62          | 15         | 165         | 12180               | 299        | 75          | 85          | 62            |
|            | 62          | 15         | 170         | 10717               | 167        |             | 29          | 125           |
|            | 62          | 15         | 175         | 55707               | 838        |             | 127         | 565           |
|            | 62          | 20         | 175         | 21810               | 397        |             | 69          | 281           |
|            | 62          | 30         | 170         | 1550                | 41         |             | 5           | 25            |
|            | 63          | 00         | 120         | 2400                | 81         |             |             | 68            |
|            | 63          | 00         | 140         | 37960               | 890        |             | 238         |               |
|            | 63          | 00         | 145         | 42835               | 882        |             | 160         | 2             |
|            | 63          | 00         | 150         | 26558               | 319        |             | 157         | 4             |
|            | 63          | 00         | 155         | 108808              | 1906       |             | 450         | 19            |
|            | 63          | 00         | 160         | 56890               | 801        |             | 235         | 26            |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황새치<br>SWO | 녹새치<br>BUM | 청새치<br>STM | 돛새치<br>SAI | 상어<br>Sharks | 기타새치<br>OTB | 기타<br>Others |
|-------------|-------------|------------|------------|------------|------------|--------------|-------------|--------------|
| 545         |             | 13         | 2          | 5          | 13         | 12           |             | 74           |
| 68          |             | 4          |            | 5          |            |              |             |              |
| 123         |             |            | 9          | 1          | 2          | 1            |             | 6            |
| 49          |             | 1          |            | 1          |            |              |             | 5            |
| 191         |             | 3          | 3          |            | 6          | 2            |             | 16           |
| 711         | 36          | 4          | 20         | 20         | 2          | 5            | 6           |              |
| 10          |             |            |            |            |            |              |             |              |
| 98          | 50          |            | 5          | 4          |            |              |             |              |
| 77          | 8           | 1          | 7          |            |            | 2            |             |              |
| 15          | 26          |            |            |            |            |              |             |              |
| 8           | 10          |            | 2          |            |            |              |             |              |
| 115         |             |            | 15         |            |            |              |             | 7            |
| 53          |             | 1          | 2          |            |            |              |             |              |
| 54          | 20          |            | 4          |            | 1          | 1            |             |              |
| 261         | 34          | 1          | 17         | 7          | 7          | 1            |             | 15           |
| 26          |             | 2          |            | 7          |            |              |             |              |
| 87          |             |            | 11         |            |            | 1            |             | 39           |
| 4           |             |            | 5          |            | 4          | 2            |             |              |
| 36          |             |            | 1          | 4          | 2          |              |             | 5            |
| 50          |             |            | 2          | 1          |            | 4            |             | 20           |
| 4           |             | 1          | 3          |            |            | 4            |             | 1            |
| 37          |             | 1          | 41         |            | 9          | 58           |             |              |
| 18          |             | 1          | 9          |            |            | 17           |             | 2            |
| 9           |             |            |            | 2          |            |              |             |              |
| 6           | 3           |            |            | 3          |            | 1            |             |              |
| 602         | 19          | 9          | 9          | 5          | 1          | 4            |             | 3            |
| 617         | 52          | 5          | 7          | 6          | 12         | 4            |             | 17           |
| 134         | 1           | 2          | 14         | 3          |            | 3            |             | 1            |
| 1309        | 47          | 6          | 50         | 6          | 6          | 2            |             | 11           |
| 409         | 53          | 9          | 23         |            | 9          | 4            |             | 33           |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 1          | 63          | 00         | 165         | 109306              | 2287       |             | 1521        | 45           |
|            | 63          | 00         | 170         | 58170               | 947        |             | 394         | 109          |
|            | 63          | 00         | 175         | 17574               | 185        |             | 90          | 2            |
|            | 63          | 05         | 125         | 2410                | 13         |             | 3           | 2            |
|            | 63          | 05         | 130         | 2400                | 18         |             |             | 5            |
|            | 63          | 05         | 135         | 16980               | 313        |             | 17          | 6            |
|            | 63          | 05         | 140         | 13126               | 308        |             | 25          | 41           |
|            | 63          | 05         | 145         | 39532               | 738        |             | 136         | 318          |
|            | 63          | 05         | 150         | 7402                | 134        |             | 12          | 40           |
|            | 63          | 05         | 155         | 7540                | 144        |             | 6           | 83           |
|            | 63          | 05         | 160         | 58554               | 1061       |             | 434         | 370          |
|            | 63          | 05         | 165         | 36934               | 589        |             | 404         | 84           |
|            | 63          | 05         | 170         | 66115               | 1217       |             | 994         | 19           |
|            | 63          | 05         | 175         | 70620               | 2021       |             | 1480        | 183          |
|            | 63          | 10         | 125         | 13420               | 226        |             |             | 124          |
|            | 63          | 10         | 130         | 51273               | 755        |             | 17          | 435          |
|            | 63          | 10         | 135         | 28070               | 591        |             | 7           | 395          |
|            | 63          | 10         | 140         | 36696               | 695        |             | 26          | 247          |
|            | 63          | 10         | 145         | 26128               | 473        |             | 40          | 235          |
|            | 63          | 10         | 150         | 2520                | 32         |             | 4           | 24           |
|            | 63          | 10         | 160         | 4550                | 75         |             | 15          | 52           |
|            | 63          | 10         | 165         | 7345                | 44         |             | 9           | 29           |
|            | 63          | 10         | 170         | 7000                | 96         |             | 23          | 60           |
|            | 63          | 10         | 175         | 4800                | 76         |             | 21          | 36           |
|            | 63          | 15         | 120         | 42136               | 999        |             | 17          | 852          |
|            | 63          | 15         | 125         | 23322               | 389        |             | 14          | 281          |
|            | 63          | 15         | 130         | 41705               | 638        |             | 12          | 465          |
|            | 63          | 15         | 135         | 7305                | 28         |             |             | 16           |
|            | 63          | 15         | 165         | 2275                | 23         |             | 2           | 20           |
|            | 63          | 15         | 170         | 28066               | 743        |             | 84          | 583          |
|            | 63          | 15         | 175         | 36090               | 641        |             | 162         | 412          |
|            | 63          | 20         | 120         | 75482               | 1360       |             | 41          | 973          |
|            | 63          | 20         | 125         | 62901               | 1281       |             | 26          | 1043         |
|            | 63          | 20         | 130         | 8765                | 103        |             | 3           | 71           |



| 눈다랭이 | 가다랭이 | 황새치 | 녹새치 | 청새치 | 돛새치 | 상어     | 기타새치 | 기타     |
|------|------|-----|-----|-----|-----|--------|------|--------|
| BET  | SKJ  | SWO | BUM | STM | SAI | Sharks | OTB  | Others |
| 613  |      | 11  | 36  | 7   | 12  | 7      | 4    | 31     |
| 372  |      |     | 32  | 1   | 4   | 5      |      | 30     |
| 81   |      |     | 4   |     |     |        |      | 8      |
| 8    |      |     |     |     |     |        |      |        |
| 12   |      |     | 1   |     |     |        |      |        |
| 271  |      | 1   | 1   | 1   | 7   | 2      |      | 7      |
| 173  | 2    |     | 2   |     |     | 54     |      | 11     |
| 205  | 8    | 1   | 11  | 12  | 3   |        | 5    | 39     |
| 59   | 2    |     | 1   |     | 2   | 1      |      | 17     |
| 34   | 6    |     | 2   | 6   |     |        | 5    | 2      |
| 181  | 4    | 2   | 4   | 18  | 5   | 8      | 16   | 19     |
| 46   | 6    | 4   | 1   | 5   | 4   | 3      | 2    | 30     |
| 130  |      | 8   | 7   |     | 5   | 8      |      | 46     |
| 254  |      | 3   | 12  |     | 1   | 9      |      | 79     |
| 76   | 4    | 4   | 6   |     |     | 7      |      | 5      |
| 241  | 5    | 4   | 21  | 9   | 2   | 9      | 4    | 8      |
| 152  |      | 3   | 10  | 9   |     | 1      | 5    | 9      |
| 366  | 1    | 6   | 7   | 6   | 1   | 14     |      | 21     |
| 135  | 1    |     | 15  | 5   | 3   | 3      |      | 36     |
| 2    |      |     | 2   |     |     |        |      |        |
| 8    |      |     |     |     |     |        |      |        |
| 5    |      | 1   |     |     |     |        |      |        |
| 8    |      |     | 2   |     |     |        |      | 3      |
| 12   |      |     | 3   |     | 2   |        |      | 2      |
| 62   | 2    | 9   | 6   | 14  | 4   | 10     | 12   | 11     |
| 47   | 8    |     | 4   | 6   | 1   | 23     |      | 5      |
| 95   |      | 2   | 17  | 5   |     | 1      | 4    | 37     |
| 10   |      |     | 1   |     |     |        |      | 1      |
|      |      | 1   |     |     |     |        |      |        |
| 39   |      | 2   | 10  | 18  | 5   |        |      | 2      |
| 34   |      |     | 10  | 7   |     | 3      | 3    | 10     |
| 125  |      | 12  | 71  | 32  | 26  | 33     | 20   | 27     |
| 79   |      | 12  | 18  | 26  | 17  | 30     | 15   | 15     |
| 8    |      |     | 11  | 7   | 2   |        |      | 1      |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 1          | 63          | 20         | 170         | 3960                | 87         |             | 12          | 59           |
|            | 63          | 20         | 175         | 32360               | 689        |             | 94          | 557          |
|            | 64          | 00         | 155         | 24698               | 350        |             | 200         |              |
|            | 64          | 00         | 160         | 244039              | 5840       |             | 4088        | 7            |
|            | 64          | 00         | 165         | 520635              | 8726       |             | 5328        | 13           |
|            | 64          | 00         | 170         | 260410              | 5634       |             | 3447        | 23           |
|            | 64          | 00         | 175         | 83304               | 1568       |             | 850         | 3            |
|            | 64          | 05         | 080         | 40400               | 971        |             | 55          |              |
|            | 64          | 05         | 155         | 7260                | 54         |             | 12          |              |
|            | 64          | 05         | 160         | 5858                | 82         |             | 51          |              |
|            | 64          | 05         | 165         | 33745               | 537        |             | 294         |              |
|            | 64          | 05         | 170         | 10200               | 295        |             | 197         | 1            |
|            | 64          | 05         | 175         | 13180               | 216        |             | 133         |              |
|            | 64          | 15         | 135         | 14625               | 173        |             | 11          |              |
|            | 64          | 20         | 130         | 17310               | 410        |             | 14          | 17           |
|            | 64          | 25         | 130         | 14495               | 282        |             | 6           | 33           |
|            | 64          | 25         | 135         | 5655                | 173        |             | 3           | 35           |
|            | 64          | 25         | 140         | 15972               | 402        |             | 34          | 220          |
|            | 64          | 25         | 145         | 2535                | 161        |             | 4           | 127          |
|            | 64          | 30         | 140         | 18643               | 1260       |             | 11          | 953          |
|            | 64          | 30         | 145         | 50435               | 2656       |             | 26          | 2260         |
| 2          | 61          | 00         | 145         | 46000               | 2129       |             | 1833        | 4            |
|            | 61          | 00         | 150         | 48199               | 872        |             | 695         | 1            |
|            | 61          | 00         | 155         | 197547              | 3057       |             | 2116        | 18           |
|            | 61          | 00         | 160         | 133068              | 1483       |             | 1006        | 11           |
|            | 61          | 00         | 165         | 36685               | 533        |             | 405         | 5            |
|            | 61          | 00         | 170         | 5805                | 60         |             | 11          | 4            |
|            | 61          | 00         | 175         | 8418                | 209        |             | 136         | 2            |
|            | 61          | 05         | 155         | 15747               | 560        |             | 499         |              |
|            | 61          | 05         | 160         | 21355               | 296        |             | 215         |              |
|            |             |            |             |                     |            |             |             |              |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황새 치<br>SWO | 녹새 치<br>BUM | 청새 치<br>STM | 돛새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|-------------|-------------|-------------|-------------|-------------|---------------|-------------|---------------|
| 12          |             |             | 2           | 2           |             |               |             |               |
| 16          |             | 1           | 1           |             | 2           | 17            |             | 1             |
| 136         |             |             | 9           | 2           |             | 3             |             |               |
| 1489        | 40          | 9           | 89          | 10          | 5           | 12            | 6           | 85            |
| 3088        |             | 27          | 148         | 17          | 5           | 22            | 19          | 59            |
| 2008        |             | 8           | 89          | 24          | 4           | 6             | 16          | 9             |
| 683         |             | 2           | 20          | 10          |             |               |             |               |
|             |             |             |             | 14          | 885         |               | 7           | 10            |
| 40          |             |             | 1           | 1           |             |               |             |               |
| 27          |             |             | 2           |             | 1           | 1             |             |               |
| 222         |             | 3           | 14          | 1           | 1           | 2             |             |               |
| 95          |             |             | 2           |             |             |               |             |               |
| 69          |             |             | 13          | 1           |             |               |             |               |
| 99          | 7           |             |             | 1           |             |               |             | 55            |
| 199         | 4           | 1           |             | 2           |             |               |             | 173           |
| 104         | 2           |             |             | 1           |             |               |             | 136           |
| 64          |             |             |             | 1           |             |               |             | 70            |
| 143         |             |             | 1           | 4           |             |               |             |               |
| 30          |             |             |             |             |             |               |             |               |
| 289         |             |             |             | 6           | 1           |               |             |               |
| 359         |             |             |             | 8           | 3           |               |             |               |
| 215         |             | 10          | 2           | 2           | 3           | 4             |             | 56            |
| 143         |             | 1           | 12          | 5           | 4           | 2             |             | 9             |
| 634         |             | 4           | 56          | 20          | 13          | 2             | 1           | 193           |
| 378         | 20          | 8           | 44          | 6           | 2           | 1             | 2           | 5             |
| 114         |             | 1           | 5           | 1           | 1           | 1             |             |               |
| 35          |             |             |             |             |             |               |             | 10            |
| 64          |             | 1           | 4           |             | 1           |               |             | 1             |
| 53          |             | 1           | 5           |             | 2           |               |             |               |
| 75          |             | 1           | 4           | 1           |             |               |             |               |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 2          | 61          | 05         | 165         | 6600                | 51         |             | 48          |              |
|            | 61          | 05         | 170         | 6480                | 212        |             | 160         | 13           |
|            | 62          | 00         | 150         | 34769               | 536        |             | 422         | 2            |
|            | 62          | 00         | 155         | 308179              | 6363       |             | 4788        | 128          |
|            | 62          | 00         | 160         | 193775              | 3602       |             | 3078        | 10           |
|            | 62          | 00         | 165         | 34832               | 698        |             | 578         | 5            |
|            | 62          | 00         | 170         | 5912                | 48         |             | 15          | 2            |
|            | 62          | 05         | 155         | 2700                | 31         |             | 21          |              |
|            | 62          | 05         | 160         | 8456                | 81         |             | 32          | 13           |
|            | 62          | 05         | 165         | 8244                | 182        |             | 95          | 11           |
|            | 62          | 05         | 170         | 2976                | 21         |             | 1           | 16           |
|            | 62          | 05         | 175         | 9492                | 222        |             | 20          | 88           |
|            | 62          | 10         | 155         | 5200                | 87         |             | 26          | 54           |
|            | 62          | 10         | 160         | 5200                | 46         |             | 11          | 17           |
|            | 62          | 10         | 170         | 7690                | 91         |             | 13          | 75           |
|            | 62          | 15         | 105         | 2500                | 40         |             | 14          | 16           |
|            | 62          | 15         | 160         | 13000               | 215        |             | 62          | 118          |
|            | 62          | 15         | 165         | 32720               | 523        |             | 162         | 278          |
|            | 62          | 15         | 170         | 12900               | 259        |             | 59          | 152          |
|            | 62          | 15         | 175         | 28136               | 518        |             | 117         | 235          |
|            | 63          | 00         | 140         | 37550               | 705        |             | 114         | 10           |
|            | 63          | 00         | 145         | 3186                | 4          |             | 1           |              |
|            | 63          | 00         | 150         | 18165               | 439        |             | 191         | 2            |
|            | 63          | 00         | 160         | 59395               | 1562       |             | 1186        | 1            |
|            | 63          | 00         | 165         | 46765               | 521        |             | 280         | 19           |
|            | 63          | 00         | 170         | 23040               | 206        |             | 58          | 32           |
|            | 63          | 00         | 175         | 15580               | 449        |             | 287         | 6            |
|            | 63          | 05         | 130         | 14880               | 457        |             | 360         | 1            |
|            | 63          | 05         | 135         | 58760               | 1144       |             | 146         | 79           |
|            | 63          | 05         | 140         | 9330                | 100        |             | 65          | 22           |
|            | 63          | 05         | 145         | 13565               | 259        |             | 111         | 26           |
|            | 63          | 05         | 150         | 60666               | 939        |             | 160         | 306          |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황새 치<br>SWO | 녹새 치<br>BUM | 청새 치<br>STM | 돛새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|-------------|-------------|-------------|-------------|-------------|---------------|-------------|---------------|
| 3           |             |             |             |             |             |               |             |               |
| 17          |             | 1           |             |             |             |               |             | 21            |
| 83          |             | 2           | 9           | 2           | 14          | 2             |             |               |
| 1276        | 14          | 3           | 111         | 19          | 8           | 4             | 1           | 11            |
| 389         |             | 4           | 62          | 20          | 10          | 3             | 1           | 25            |
| 107         |             | 3           | 3           |             |             | 1             |             | 1             |
| 7           |             |             | 3           |             |             |               |             | 21            |
| 6           |             |             | 3           |             |             | 1             |             |               |
| 17          |             |             | 10          |             |             | 5             |             | 4             |
| 25          | 43          |             | 1           |             | 5           | 2             |             |               |
|             |             |             | 4           |             |             |               |             |               |
| 70          | 40          | 1           |             |             | 2           | 1             |             |               |
| 7           |             |             |             |             |             |               |             |               |
| 11          |             |             | 2           |             |             | 3             |             | 2             |
| 2           |             |             | 1           |             |             |               |             |               |
| 5           |             |             | 3           |             | 2           |               |             |               |
| 26          |             |             | 6           |             |             | 3             |             |               |
| 57          |             |             | 7           |             |             | 5             |             | 14            |
| 6           |             |             | 11          |             |             | 7             |             | 24            |
| 129         |             |             | 9           | 2           | 13          | 2             |             | 11            |
| 526         | 20          | 4           | 9           | 8           | 3           | 2             | 1           | 8             |
| 2           |             |             | 1           |             |             |               |             |               |
| 227         |             |             | 17          | 2           |             |               |             |               |
| 247         | 61          | 9           | 11          | 2           | 9           | 2             |             | 34            |
| 138         | 52          | 3           | 12          | 4           | 2           | 3             |             | 8             |
| 91          |             |             | 3           | 7           |             |               | 1           | 14            |
| 141         | 2           | 1           | 8           | 3           | 1           |               |             |               |
| 78          |             | 5           |             | 2           |             |               |             | 11            |
| 882         |             | 7           | 6           | 2           | 3           | 2             |             | 17            |
| 6           |             | 3           | 2           | 1           |             |               |             | 1             |
| 91          | 12          |             |             | 2           | 1           | 6             |             | 10            |
| 374         | 1           |             | 13          | 10          |             | 20            | 6           | 49            |

| 월<br>Month, | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|-------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|             | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 2           | 63          | 05         | 155         | 31569               | 452        |             | 50          | 188          |
|             | 63          | 05         | 160         | 62545               | 1256       |             | 430         | 323          |
|             | 63          | 05         | 165         | 55889               | 737        |             | 438         | 120          |
|             | 63          | 05         | 170         | 108040              | 1757       |             | 792         | 463          |
|             | 63          | 05         | 175         | 63274               | 975        |             | 422         | 205          |
|             | 63          | 10         | 135         | 48470               | 835        |             | 23          | 566          |
|             | 63          | 10         | 140         | 53141               | 1247       |             | 65          | 857          |
|             | 63          | 10         | 145         | 6840                | 118        |             | 5           | 80           |
|             | 63          | 10         | 150         | 3990                | 27         |             | 1           | 18           |
|             | 63          | 10         | 155         | 3107                | 10         |             |             | 6            |
|             | 63          | 10         | 165         | 7376                | 74         |             | 10          | 55           |
|             | 63          | 10         | 175         | 9068                | 85         |             | 13          | 55           |
|             | 63          | 15         | 120         | 3230                | 25         |             |             | 15           |
|             | 63          | 15         | 165         | 4462                | 56         |             | 1           | 44           |
|             | 63          | 15         | 170         | 65906               | 1286       |             | 197         | 940          |
|             | 63          | 15         | 175         | 30182               | 380        |             | 97          | 209          |
|             | 63          | 20         | 125         | 2115                | 15         |             | 1           | 3            |
|             | 63          | 20         | 150         | 2989                | 18         |             |             | 10           |
|             | 63          | 20         | 165         | 14400               | 135        |             | 4           | 118          |
|             | 63          | 20         | 170         | 14400               | 355        |             | 101         | 238          |
|             | 63          | 20         | 175         | 28592               | 506        |             | 164         | 295          |
|             | 63          | 25         | 155         | 2275                | 12         |             | 2           | 3            |
|             | 64          | 00         | 150         | 28104               | 887        |             | 468         |              |
|             | 64          | 00         | 155         | 31654               | 728        |             | 315         |              |
|             | 64          | 00         | 160         | 24364               | 583        |             | 438         |              |
|             | 64          | 00         | 165         | 72560               | 1366       |             | 556         | 101          |
|             | 64          | 00         | 170         | 87163               | 1463       |             | 749         | 1            |
|             | 64          | 00         | 175         | 31740               | 694        |             | 409         | 3            |
|             | 64          | 05         | 080         | 57050               | 980        |             | 19          |              |
|             | 64          | 05         | 150         | 55518               | 1425       |             | 702         | 9            |
|             | 64          | 05         | 155         | 35325               | 695        |             | 411         |              |
|             | 64          | 05         | 160         | 111042              | 2236       |             | 1492        |              |

| 눈다랭이 | 가다랭이 | 황새치 | 녹새치 | 청새치 | 돛새치 | 상어     | 기타새치 | 기타     |
|------|------|-----|-----|-----|-----|--------|------|--------|
| BET  | SKJ  | SWO | BUM | STM | SAI | Sharks | OTB  | Others |
| 168  |      |     | 2   | 11  |     | 10     | 6    | 17     |
| 433  |      | 10  | 19  | 9   | 5   | 3      | 6    | 18     |
| 89   |      | 16  | 3   | 6   | 8   | 2      |      | 55     |
| 389  |      | 7   | 55  | 6   | 8   | 4      |      | 33     |
| 184  | 110  | 10  | 10  | 5   | 10  | 3      |      | 16     |
| 200  |      | 4   | 7   | 15  |     | 3      | 1    | 16     |
| 240  | 4    | 2   | 8   | 18  | 3   | 10     | 6    | 34     |
| 14   | 1    |     | 1   | 5   | 2   | 2      | 1    | 7      |
| 4    |      |     |     | 3   |     | 1      |      |        |
|      |      |     |     | 4   |     |        |      |        |
| 4    |      |     | 4   |     | 1   |        |      |        |
| 14   |      |     | 1   | 1   | 1   |        |      |        |
| 3    |      |     |     | 1   | 5   | 1      |      |        |
| 6    |      |     | 3   |     |     |        |      | 2      |
| 92   |      |     | 23  | 8   | 2   | 5      | 2    | 17     |
| 65   |      |     | 2   | 4   |     | 1      |      | 2      |
|      |      |     | 8   | 1   | 2   |        |      |        |
| 6    |      |     | 2   |     |     |        |      |        |
| 13   |      |     |     |     |     |        |      |        |
| 10   |      |     | 6   |     |     |        |      |        |
| 33   |      |     |     |     |     | 3      |      | 11     |
| 5    |      |     | 1   | 1   |     |        |      |        |
| 408  |      |     | 7   | 1   |     | 3      |      |        |
| 356  |      | 6   | 14  | 4   |     | 5      |      | 28     |
| 112  | 5    | 1   | 17  | 2   |     | 1      |      | 7      |
| 498  | 25   | 7   | 30  | 8   | 2   | 3      | 2    | 134    |
| 603  | 20   | 2   | 25  | 5   |     | 2      |      | 56     |
| 252  | 12   |     | 13  |     | 1   |        |      | 4      |
| 1    |      |     |     | 21  | 932 |        | 5    | 2      |
| 654  | 19   | 1   | 22  | 5   | 4   | 4      |      | 5      |
| 260  |      | 8   | 1   | 1   |     | 1      |      | 13     |
| 682  | 12   | 4   | 28  | 4   | 1   | 2      |      | 11     |



| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 2          | 64          | 10         | 085         | 2250                | 21         |             |             |              |
|            | 64          | 30         | 145         | 7492                | 292        |             | 7           | 231          |
| 3          | 61          | 00         | 140         | 11952               | 167        |             | 133         |              |
|            | 61          | 00         | 145         | 96165               | 1645       |             | 997         |              |
|            | 61          | 00         | 150         | 234528              | 4116       |             | 3200        |              |
|            | 61          | 00         | 155         | 186684              | 3265       |             | 2479        | 4            |
|            | 61          | 00         | 160         | 258188              | 5613       |             | 4124        | 12           |
|            | 61          | 00         | 165         | 10926               | 86         |             | 60          |              |
|            | 61          | 00         | 170         | 5805                | 64         |             | 32          |              |
|            | 61          | 00         | 175         | 35600               | 467        |             | 284         |              |
|            | 61          | 05         | 135         | 5808                | 29         |             | 23          |              |
|            | 61          | 05         | 140         | 22330               | 272        |             | 195         |              |
|            | 61          | 05         | 145         | 2585                | 35         |             | 1           |              |
|            | 61          | 05         | 150         | 20292               | 257        |             | 204         | 1            |
|            | 61          | 05         | 155         | 23188               | 309        |             | 235         | 1            |
|            | 61          | 05         | 160         | 3248                | 32         |             | 17          |              |
|            | 61          | 05         | 165         | 15176               | 235        |             | 150         |              |
|            | 61          | 05         | 170         | 7784                | 86         |             | 38          |              |
|            | 61          | 05         | 175         | 15310               | 247        |             | 178         |              |
|            | 61          | 10         | 135         | 2820                | 28         |             | 12          |              |
|            | 61          | 10         | 140         | 3380                | 49         |             | 32          |              |
|            | 62          | 00         | 150         | 3055                | 28         |             | 25          |              |
|            | 62          | 00         | 155         | 187136              | 3863       |             | 2696        | 107          |
|            | 62          | 00         | 160         | 149305              | 2360       |             | 1618        | 29           |
|            | 62          | 00         | 165         | 25364               | 294        |             | 198         |              |
|            | 62          | 00         | 170         | 10578               | 81         |             | 41          | 5            |
|            | 62          | 00         | 175         | 83793               | 1448       |             | 982         | 93           |
|            | 62          | 05         | 155         | 11391               | 195        |             | 119         |              |
|            | 62          | 05         | 160         | 5904                | 144        |             | 89          | 21           |
|            | 62          | 05         | 165         | 7872                | 152        |             | 72          | 35           |
|            | 62          | 05         | 170         | 13776               | 303        |             | 61          | 175          |
|            | 62          | 05         | 175         | 54105               | 694        |             | 71          | 441          |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황새치<br>SWO | 녹새치<br>BUM | 청새치<br>STM | 돛새치<br>SAI | 상어<br>Sharks | 기타새치<br>OTB | 기타<br>Others |
|-------------|-------------|------------|------------|------------|------------|--------------|-------------|--------------|
| 1           |             |            |            | 18         |            |              | 2           |              |
| 51          |             |            |            | 3          |            |              |             |              |
| 32          |             |            | 2          |            |            |              |             |              |
| 239         |             | 2          | 36         | 2          | 7          | 8            | 2           | 352          |
| 681         | 46          | 20         | 76         | 2          | 15         | 9            | 2           | 65           |
| 566         | 50          | 11         | 56         | 3          | 6          |              | 3           | 87           |
| 1105        | 179         | 10         | 69         | 3          | 10         | 20           | 2           | 79           |
| 14          |             | 1          | 5          | 1          |            |              |             | 5            |
| 22          |             |            |            |            |            |              |             | 10           |
| 141         | 24          | 1          | 6          | 1          | 3          |              |             | 7            |
| 5           |             |            |            | 1          |            |              |             |              |
| 63          |             | 1          | 7          | 2          | 4          |              |             |              |
| 1           |             |            | 1          |            |            |              |             | 32           |
| 45          |             |            | 5          | 1          |            |              |             | 1            |
| 58          |             | 1          | 13         | 1          |            |              |             |              |
| 15          |             |            |            |            |            |              |             |              |
| 75          |             | 1          | 9          |            |            |              |             |              |
| 43          |             |            | 4          |            | 1          |              |             |              |
| 66          |             | 1          | 2          |            |            |              |             |              |
| 10          |             |            |            |            | 1          |              |             | 5            |
| 15          |             | 1          |            |            |            |              |             | 1            |
| 3           |             |            |            |            |            |              |             |              |
| 636         | 150         | 18         | 92         | 9          | 86         | 10           | 15          | 44           |
| 455         | 43          | 13         | 77         | 4          | 34         | 5            | 9           | 73           |
| 65          |             |            | 5          | 3          | 1          |              |             | 22           |
| 26          | 7           |            | 1          |            |            | 1            |             |              |
| 317         | 6           | 3          | 3          | 10         | 2          | 4            | 20          | 8            |
| 56          |             |            | 8          |            | 12         |              |             |              |
| 29          |             |            | 4          |            | 1          |              |             |              |
| 43          |             |            | 1          | 1          |            |              |             |              |
| 60          |             |            | 4          | 3          |            |              |             |              |
| 159         |             | 1          | 8          | 3          | 1          | 2            | 7           | 1            |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 3          | 62          | 10         | 145         | 2600                | 34         |             | 27          | 5            |
|            | 62          | 10         | 150         | 31200               | 849        |             | 109         | 645          |
|            | 62          | 10         | 160         | 4568                | 65         |             | 18          | 29           |
|            | 62          | 10         | 165         | 7872                | 142        |             | 23          | 57           |
|            | 62          | 10         | 175         | 6648                | 81         |             | 16          | 31           |
|            | 62          | 15         | 145         | 7800                | 212        |             | 178         | 13           |
|            | 62          | 15         | 150         | 13000               | 779        |             | 97          | 631          |
|            | 62          | 15         | 160         | 18200               | 240        |             | 82          | 92           |
|            | 62          | 15         | 175         | 7020                | 77         |             | 13          | 32           |
|            | 62          | 20         | 160         | 5200                | 60         |             | 15          | 22           |
|            | 62          | 20         | 165         | 12780               | 443        |             | 375         | 47           |
|            | 62          | 20         | 170         | 5200                | 80         |             | 19          | 35           |
|            | 62          | 20         | 175         | 7670                | 76         |             | 17          | 50           |
|            | 63          | 00         | 105         | 2964                | 23         |             | 8           |              |
|            | 63          | 00         | 150         | 27049               | 367        |             | 167         | 46           |
|            | 63          | 00         | 155         | 11260               | 94         |             | 48          | 7            |
|            | 63          | 00         | 160         | 44794               | 1096       |             | 928         | 20           |
|            | 63          | 00         | 165         | 17634               | 185        |             | 63          | 13           |
|            | 63          | 00         | 170         | 9126                | 57         |             | 12          |              |
|            | 63          | 00         | 175         | 105443              | 1658       |             | 535         | 497          |
|            | 63          | 05         | 135         | 10220               | 116        |             | 13          | 16           |
|            | 63          | 05         | 140         | 3600                | 51         |             | 39          |              |
|            | 63          | 05         | 145         | 18520               | 231        |             | 17          | 47           |
|            | 63          | 05         | 150         | 84621               | 1407       |             | 138         | 391          |
|            | 63          | 05         | 155         | 10447               | 105        |             | 13          | 59           |
|            | 63          | 05         | 160         | 42330               | 658        |             | 133         | 311          |
|            | 63          | 05         | 165         | 9280                | 316        |             | 155         | 93           |
|            | 63          | 05         | 170         | 42345               | 452        |             | 134         | 174          |
|            | 63          | 05         | 175         | 132499              | 2469       |             | 490         | 1215         |
|            | 63          | 10         | 170         | 7360                | 51         |             | 15          | 23           |
|            | 63          | 10         | 175         | 13100               | 113        |             | 16          | 70           |
|            | 63          | 15         | 170         | 10400               | 110        |             | 43          | 58           |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황새치<br>SWO | 녹새치<br>BUM | 청새치<br>STM | 돛새치<br>SAI | 상어<br>Sharks | 기타새치<br>OTB | 기타<br>Others |
|-------------|-------------|------------|------------|------------|------------|--------------|-------------|--------------|
|             |             |            | 2          |            |            |              |             |              |
| 49          |             |            | 16         |            |            | 30           |             |              |
| 13          |             |            | 2          | 1          |            | 2            |             |              |
| 58          |             |            | 3          | 1          |            |              |             |              |
| 30          |             |            | 1          | 2          | 1          |              |             |              |
| 1           |             |            | 3          |            |            | 17           |             |              |
| 28          |             |            | 4          |            |            | 19           |             |              |
| 7           |             |            | 7          |            |            | 52           |             |              |
| 25          |             |            |            | 2          |            | 2            | 3           |              |
| 4           |             |            | 1          |            |            | 18           |             |              |
| 3           |             | 2          | 4          | 5          | 1          | 4            |             | 2            |
| 4           |             |            | 3          |            |            | 19           |             |              |
| 3           |             | 2          |            |            |            | 1            |             | 3            |
| 15          |             |            |            |            |            |              |             |              |
| 112         | 6           | 3          | 8          | 4          | 2          | 6            | 9           | 4            |
| 26          |             | 1          | 1          | 2          |            | 4            |             | 5            |
| 107         |             | 9          | 1          | 2          | 4          | 8            | 4           | 13           |
| 85          | 2           |            | 6          | 2          | 1          | 2            | 2           | 9            |
| 15          | 10          |            | 1          |            |            | 1            |             | 18           |
| 413         | 7           | 3          | 30         | 4          | 2          |              | 6           | 161          |
| 83          |             |            | 4          |            |            |              |             |              |
| 9           |             | 1          |            |            |            | 2            |             |              |
| 160         |             | 1          | 4          |            |            | 1            |             | 1            |
| 833         |             | 3          | 16         | 5          | 1          | 10           | 10          |              |
| 16          | 4           |            | 2          | 2          | 2          | 2            | 5           |              |
| 159         |             |            | 3          | 10         | 2          | 21           | 15          | 4            |
| 36          |             | 1          | 1          | 1          |            | 27           |             | 2            |
| 93          | 2           | 8          | 6          | 5          | 4          | 2            |             | 24           |
| 586         | 12          | 8          | 23         | 6          | 5          |              | 10          | 114          |
| 8           |             |            | 5          |            |            |              |             |              |
| 21          |             |            | 2          |            |            | 2            |             | 2            |
| 4           |             | 2          |            |            |            |              |             | 3            |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개 다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|---------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |               |
| 3          | 63          | 15         | 175         | 4920                | 32         |             | 4           | 22            |
|            | 63          | 20         | 165         | 48010               | 835        |             | 279         | 433           |
|            | 63          | 20         | 170         | 118101              | 1799       |             | 654         | 842           |
|            | 63          | 20         | 175         | 25220               | 233        |             | 100         | 108           |
|            | 63          | 25         | 165         | 6900                | 324        |             | 2           | 312           |
|            | 63          | 25         | 170         | 6300                | 224        |             | 2           | 215           |
|            | 63          | 30         | 155         | 2800                | 11         |             | 4           | 5             |
|            | 63          | 30         | 160         | 3780                | 14         |             | 5           | 6             |
|            | 63          | 30         | 170         | 6600                | 404        |             | 12          | 388           |
|            | 63          | 35         | 140         | 14586               | 571        |             | 1           | 555           |
|            | 63          | 35         | 150         | 2674                | 28         |             | 2           | 22            |
|            | 63          | 35         | 155         | 2800                | 9          |             | 3           | 1             |
|            | 63          | 40         | 145         | 22514               | 374        |             |             | 362           |
|            | 64          | 00         | 145         | 30940               | 603        |             | 405         |               |
|            | 64          | 00         | 150         | 52865               | 850        |             | 472         |               |
|            | 64          | 00         | 155         | 39596               | 596        |             | 312         | 1             |
|            | 64          | 00         | 160         | 9204                | 46         |             | 25          |               |
|            | 64          | 00         | 165         | 20085               | 316        |             | 160         |               |
|            | 64          | 00         | 170         | 37490               | 702        |             | 331         |               |
|            | 64          | 00         | 175         | 15140               | 169        |             | 86          | 2             |
|            | 64          | 05         | 150         | 2924                | 38         |             | 13          |               |
|            | 64          | 05         | 155         | 2964                | 39         |             | 8           |               |
|            | 64          | 05         | 165         | 8775                | 202        |             | 55          |               |
|            | 64          | 05         | 170         | 2925                | 28         |             | 16          |               |
|            | 64          | 10         | 085         | 11400               | 130        |             |             |               |
|            | 64          | 10         | 090         | 38900               | 1399       |             | 2           |               |
| 4          | 61          | 00         | 145         | 44450               | 519        |             | 299         |               |
|            | 61          | 00         | 150         | 207531              | 2737       |             | 1904        | 15            |
|            | 61          | 00         | 155         | 123140              | 2147       |             | 1645        |               |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황새치<br>SWO | 녹새치<br>BUM | 청새치<br>STM | 돛새치<br>SAI | 상어<br>Sharks | 기타새치<br>OTB | 기타<br>Others |
|-------------|-------------|------------|------------|------------|------------|--------------|-------------|--------------|
| 6           |             |            |            |            |            |              |             |              |
| 72          |             |            | 24         |            | 19         | 2            |             | 6            |
| 217         |             |            | 61         | 2          | 6          | 7            | 4           | 6            |
| 15          |             |            |            |            |            | 5            |             | 5            |
|             |             |            | 2          |            |            | 1            |             | 7            |
|             |             | 5          |            |            |            |              |             | 2            |
|             |             |            |            | 2          |            |              |             |              |
| 1           |             |            |            | 1          |            | 1            |             |              |
|             |             | 1          | 1          |            |            |              |             | 2            |
| 7           |             | 1          | 1          | 2          |            | 4            |             |              |
| 3           |             |            |            |            |            | 1            |             |              |
| 3           |             |            |            | 1          |            | 1            |             |              |
| 4           |             |            |            | 1          |            | 3            | 4           |              |
| 165         | 10          | 5          | 3          | 2          | 5          | 8            |             |              |
| 346         |             |            | 22         | 2          | 1          | 7            |             |              |
| 251         | 20          |            | 9          |            | 1          | 2            |             |              |
| 18          |             |            | 2          | 1          |            |              |             |              |
| 147         |             | 1          | 3          | 2          |            |              | 1           | 2            |
| 231         | 6           | 2          | 12         | 2          |            | 1            |             | 117          |
| 43          | 3           | 1          | 4          | 2          | 1          | 1            |             | 26           |
| 25          |             |            |            |            |            |              |             |              |
| 29          |             |            | 2          |            |            |              |             |              |
| 140         |             |            |            | 1          |            | 3            |             | 3            |
| 6           |             |            |            | 2          |            |              |             | 4            |
|             |             |            |            | 30         | 27         |              | 73          |              |
|             |             |            |            | 5          | 1379       |              | 6           | 7            |
| 93          | 22          | 7          | 13         | 7          | 7          |              | 4           | 67           |
| 498         | 28          | 16         | 51         | 7          | 27         | 1            | 7           | 183          |
| 343         | 63          | 14         | 38         | 3          | 16         | 2            | 4           | 19           |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No.of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|--------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                    |            |             |             |              |
| 4          | 61          | 00         | 160         | 128757             | 2377       |             | 1701        | 4            |
|            | 61          | 00         | 170         | 3150               | 35         |             | 27          |              |
|            | 61          | 00         | 175         | 19053              | 164        |             | 114         |              |
|            | 61          | 05         | 145         | 42025              | 429        |             | 220         | 1            |
|            | 61          | 05         | 150         | 35168              | 438        |             | 258         | 87           |
|            | 61          | 05         | 155         | 67737              | 691        |             | 433         | 2            |
|            | 61          | 05         | 170         | 12125              | 134        |             | 73          |              |
|            | 61          | 05         | 175         | 61770              | 631        |             | 323         | 7            |
|            | 61          | 10         | 140         | 20640              | 256        |             | 168         | 1            |
|            | 61          | 10         | 145         | 17190              | 315        |             | 258         | 5            |
|            | 61          | 10         | 150         | 20520              | 238        |             | 133         | 8            |
|            | 62          | 00         | 145         | 5750               | 46         |             | 18          |              |
|            | 62          | 00         | 155         | 32627              | 303        |             | 193         |              |
|            | 62          | 00         | 160         | 25126              | 514        |             | 382         | 12           |
|            | 62          | 00         | 165         | 11740              | 228        |             | 186         | 1            |
|            | 62          | 00         | 170         | 35260              | 396        |             | 239         | 6            |
|            | 62          | 00         | 175         | 108097             | 2029       |             | 995         | 179          |
|            | 62          | 05         | 140         | 5650               | 96         |             | 74          |              |
|            | 62          | 05         | 150         | 3150               | 34         |             | 29          |              |
|            | 62          | 05         | 155         | 41542              | 647        |             | 378         | 22           |
|            | 62          | 05         | 160         | 2730               | 55         |             | 38          | 1            |
|            | 62          | 05         | 165         | 8220               | 194        |             | 31          | 106          |
|            | 62          | 05         | 170         | 23450              | 464        |             | 151         | 225          |
|            | 62          | 05         | 175         | 67850              | 1288       |             | 466         | 378          |
|            | 62          | 10         | 125         | 1968               | 39         |             | 10          | 20           |
|            | 62          | 10         | 155         | 35421              | 879        |             | 461         | 304          |
|            | 62          | 10         | 160         | 36056              | 1149       |             | 694         | 191          |
|            | 62          | 10         | 165         | 23400              | 590        |             | 110         | 260          |
|            | 62          | 10         | 170         | 3936               | 91         |             | 33          | 45           |
|            | 62          | 10         | 175         | 17583              | 467        |             | 147         | 251          |
|            | 62          | 15         | 170         | 15600              | 356        |             | 153         | 159          |



| 눈다랭이 | 가다랭이 | 황새치 | 녹새치 | 청새치 | 돛새치 | 상어     | 기타새치 | 기타     |
|------|------|-----|-----|-----|-----|--------|------|--------|
| BET  | SKJ  | SWO | BUM | STM | SAI | Sharks | OTB  | Others |
| 578  | 21   | 3   | 50  | 2   | 2   | 5      |      | 11     |
| 7    |      |     | 1   |     |     |        |      |        |
| 47   |      |     | 2   |     | 1   |        |      |        |
| 120  | 30   | 1   | 13  |     |     |        |      | 44     |
| 50   |      |     | 15  | 3   | 12  |        |      | 13     |
| 215  |      | 4   | 24  | 4   |     | 1      |      | 8      |
| 56   | 1    |     | 2   | 2   |     |        |      |        |
| 266  | 11   | 1   | 16  | 3   | 2   |        |      | 2      |
| 62   |      |     | 9   | 1   |     |        |      | 15     |
| 36   |      |     | 9   |     | 4   |        |      | 3      |
| 61   |      |     | 8   |     | 3   |        |      | 25     |
| 27   |      |     |     | 1   |     |        |      |        |
| 64   | 5    |     | 16  | 3   | 4   | 1      | 2    | 15     |
| 92   | 10   | 2   | 10  |     | 4   | 1      |      | 1      |
| 34   |      |     | 7   |     |     |        |      |        |
| 82   |      | 2   | 7   | 2   | 1   | 2      | 3    | 52     |
| 512  | 27   | 10  | 32  | 8   | 7   | 2      | 8    | 249    |
| 21   |      |     |     | 1   |     |        |      |        |
| 5    |      |     |     |     |     |        |      |        |
| 182  |      |     | 18  | 5   | 31  | 1      | 5    | 5      |
| 14   |      |     |     | 2   |     |        |      |        |
| 47   |      |     | 5   |     |     |        |      | 5      |
| 59   |      | 1   | 13  |     |     |        |      | 15     |
| 389  | 14   | 8   | 25  | 3   | 3   | 2      |      |        |
| 8    |      |     | 1   |     |     |        |      |        |
| 87   |      |     | 9   | 2   | 9   | 1      | 6    |        |
| 189  |      |     | 14  | 6   | 16  |        | 6    | 33     |
| 166  |      |     | 11  |     |     | 11     |      | 32     |
| 11   |      |     | 2   |     |     |        |      |        |
| 54   |      | 1   | 4   | 4   | 1   |        | 5    |        |
| 22   |      |     | 4   |     |     | 4      |      | 14     |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 4          | 62          | 20         | 155         | 2600                | 50         |             |             | 41           |
|            | 62          | 20         | 160         | 13050               | 227        |             | 36          | 148          |
|            | 62          | 20         | 165         | 20530               | 398        |             | 104         | 245          |
|            | 62          | 25         | 160         | 18250               | 298        |             | 23          | 212          |
|            | 62          | 25         | 175         | 4861                | 28         |             | 17          | 9            |
|            | 62          | 30         | 150         | 5300                | 199        |             | 6           | 182          |
|            | 62          | 30         | 155         | 41460               | 1411       |             | 35          | 1197         |
|            | 62          | 30         | 160         | 5566                | 122        |             | 3           | 96           |
|            | 62          | 30         | 165         | 2789                | 38         |             | 6           | 22           |
|            | 62          | 30         | 170         | 2520                | 56         |             |             | 45           |
|            | 62          | 35         | 150         | 5300                | 199        |             | 74          | 106          |
|            | 62          | 35         | 155         | 45009               | 1856       |             | 20          | 1693         |
|            | 62          | 35         | 160         | 1800                | 18         |             |             | 11           |
|            | 62          | 35         | 170         | 4560                | 615        |             | 3           | 601          |
|            | 63          | 00         | 145         | 2924                | 23         |             | 12          | 4            |
|            | 63          | 00         | 150         | 19042               | 189        |             | 77          |              |
|            | 63          | 00         | 160         | 51704               | 1147       |             | 956         |              |
|            | 63          | 00         | 165         | 46408               | 1425       |             | 758         | 369          |
|            | 63          | 00         | 170         | 9164                | 165        |             | 58          | 23           |
|            | 63          | 00         | 175         | 10140               | 175        |             | 103         | 12           |
|            | 63          | 05         | 140         | 21140               | 647        |             | 137         | 283          |
|            | 63          | 05         | 145         | 42420               | 1191       |             | 138         | 459          |
|            | 63          | 05         | 150         | 11315               | 129        |             | 23          | 35           |
|            | 63          | 05         | 160         | 20220               | 298        |             | 231         |              |
|            | 63          | 05         | 165         | 59810               | 1564       |             | 1215        | 75           |
|            | 63          | 05         | 170         | 80834               | 2209       |             | 1153        | 525          |
|            | 63          | 05         | 175         | 75962               | 1765       |             | 510         | 657          |
|            | 63          | 10         | 160         | 3094                | 55         |             | 42          |              |
|            | 63          | 10         | 175         | 36645               | 883        |             | 269         | 476          |
|            | 63          | 15         | 125         | 5100                | 60         |             | 8           | 25           |
|            | 63          | 15         | 170         | 2280                | 31         |             | 3           | 27           |

| 눈다랭이 | 가다랭이 | 황새치 | 녹새치 | 청새치 | 돛새치 | 상어     | 기타새치 | 기타     |
|------|------|-----|-----|-----|-----|--------|------|--------|
| BET  | SKJ  | SWO | BUM | STM | SAI | Sharks | OTB  | Others |
| 2    |      |     | 2   |     |     | 1      |      | 4      |
| 18   | 2    | 3   | 2   | 3   | 3   | 3      | 2    | 7      |
| 15   | 1    |     | 8   | 3   | 1   | 6      |      | 15     |
| 24   |      | 3   | 3   | 3   | 1   | 7      | 3    | 19     |
| 1    |      |     |     |     |     |        |      | 1      |
| 5    |      |     | 1   |     |     | 5      |      |        |
| 80   |      | 1   | 18  | 2   | 1   | 76     | 1    |        |
| 10   |      |     | 6   |     |     |        |      | 7      |
| 1    |      |     | 2   |     |     |        |      | 7      |
| 8    |      |     |     |     |     | 3      |      |        |
| 11   |      | 2   |     | 1   |     |        |      | 5      |
| 100  |      | 3   | 11  | 1   |     | 9      | 2    | 17     |
| 4    |      |     |     |     |     |        |      | 3      |
| 1    |      |     | 1   |     |     |        |      | 9      |
| 5    |      |     | 2   |     |     |        |      |        |
| 107  |      |     | 3   |     |     | 2      |      |        |
| 127  |      | 8   | 3   |     | 6   | 2      |      | 45     |
| 261  |      | 1   | 13  | 2   | 2   | 3      | 1    | 15     |
| 30   |      | 1   | 1   | 1   |     | 1      |      | 50     |
| 46   | 11   |     | 1   | 1   |     | 1      |      |        |
| 204  |      |     | 18  |     | 2   |        |      | 3      |
| 528  |      |     | 28  | 3   | 17  | 3      | 4    | 11     |
| 61   |      |     | 6   |     |     | 4      |      |        |
| 36   |      | 10  |     |     | 2   | 3      |      | 16     |
| 210  |      | 10  | 6   |     | 10  | 4      |      | 34     |
| 184  |      | 13  | 18  |     | 2   | 3      |      | 311    |
| 312  | 13   | 2   | 19  | 2   | 2   | 2      | 2    | 244    |
| 9    |      |     | 2   | 2   |     |        |      |        |
| 111  |      | 3   | 4   | 3   | 1   |        | 3    | 13     |
| 4    |      |     | 2   |     | 19  | 1      |      | 1      |
| 1    |      |     |     |     |     |        |      |        |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 4          | 63          | 20         | 155         | 16020               | 180        |             | 35          | 103          |
|            | 63          | 20         | 160         | 5100                | 73         |             | 20          | 42           |
|            | 63          | 20         | 170         | 11760               | 157        |             | 33          | 107          |
|            | 63          | 20         | 175         | 2400                | 35         |             | 8           | 18           |
|            | 63          | 25         | 145         | 8280                | 394        |             |             | 384          |
|            | 63          | 25         | 150         | 28500               | 924        |             | 4           | 881          |
|            | 63          | 25         | 155         | 23650               | 676        |             |             | 614          |
|            | 63          | 25         | 165         | 2117                | 12         |             | 4           | 6            |
|            | 63          | 25         | 175         | 10714               | 123        |             | 32          | 63           |
|            | 63          | 30         | 135         | 8392                | 294        |             | 1           | 266          |
|            | 63          | 30         | 140         | 8148                | 298        |             | 2           | 247          |
|            | 63          | 30         | 165         | 47640               | 5170       |             | 84          | 5000         |
|            | 63          | 30         | 170         | 27420               | 2252       |             | 25          | 2184         |
|            | 63          | 35         | 130         | 2681                | 27         |             |             | 2            |
|            | 63          | 35         | 135         | 78717               | 2407       |             | 1           | 2049         |
|            | 63          | 35         | 140         | 30117               | 722        |             |             | 706          |
|            | 63          | 35         | 145         | 24963               | 621        |             |             | 573          |
|            | 63          | 35         | 150         | 83211               | 3293       |             | 2           | 3229         |
|            | 63          | 35         | 155         | 47503               | 2544       |             | 6           | 2489         |
|            | 63          | 35         | 165         | 25500               | 3015       |             | 30          | 2917         |
|            | 63          | 40         | 160         | 3080                | 46         |             |             | 44           |
|            | 64          | 00         | 165         | 81910               | 1476       |             | 675         |              |
|            | 64          | 00         | 170         | 65435               | 1214       |             | 633         |              |
|            | 64          | 00         | 175         | 3000                | 41         |             | 20          |              |
|            | 64          | 05         | 150         | 10765               | 66         |             | 14          |              |
|            | 64          | 05         | 155         | 2925                | 5          |             |             |              |
|            | 64          | 05         | 160         | 2340                | 3          |             | 1           |              |
|            | 64          | 05         | 165         | 8775                | 91         |             | 11          |              |
|            | 64          | 05         | 170         | 8625                | 143        |             | 75          |              |
|            | 64          | 10         | 090         | 45450               | 878        |             | 1           |              |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황새치<br>SWO | 녹새치<br>BUM | 청새치<br>STM | 돛새치<br>SAI | 상어<br>Sharks | 기타새치<br>OTB | 기타<br>Others |
|-------------|-------------|------------|------------|------------|------------|--------------|-------------|--------------|
| 28          |             | 4          | 10         |            |            |              |             |              |
| 10          |             | 1          |            |            |            |              |             |              |
| 12          |             | 1          | 3          | 1          |            |              |             |              |
| 8           |             |            |            |            |            | 1            |             |              |
| 1           |             |            | 3          |            |            | 1            |             | 5            |
| 2           | 3           |            | 11         | 1          |            | 1            |             | 21           |
|             |             |            | 28         | 2          | 3          | 2            | 3           | 24           |
| 1           |             |            | 1          |            |            |              |             |              |
| 2           |             |            | 7          |            |            |              |             | 19           |
|             |             |            |            |            | 3          | 5            |             | 19           |
|             |             |            | 1          | 1          |            | 12           |             | 35           |
| 9           |             | 7          | 2          | 6          | 8          | 3            |             | 51           |
| 3           |             | 3          | 4          | 6          |            | 4            |             | 23           |
| 1           |             |            |            |            |            | 4            |             | 20           |
| 4           | 6           | 4          | 1          | 2          | 5          | 57           | 3           | 275          |
|             |             | 3          | 1          | 1          |            | 2            |             | 9            |
| 2           |             | 1          | 1          | 2          |            | 8            |             | 34           |
| 15          |             |            | 3          | 8          |            | 4            | 13          | 19           |
| 16          |             | 1          | 15         | 1          |            | 4            | 1           | 11           |
| 12          |             | 1          | 2          | 5          | 6          | 1            |             | 41           |
| 1           |             |            |            | 1          |            |              |             |              |
| 708         | 44          | 6          | 14         | 2          | 3          | 1            | 2           | 21           |
| 524         | 1           | 4          | 7          | 5          |            | 2            | 5           | 33           |
| 17          |             |            | 1          |            |            |              |             | 3            |
| 46          | 5           |            | 1          |            |            |              |             |              |
| 5           |             |            |            |            |            |              |             |              |
| 2           |             |            |            |            |            |              |             |              |
| 75          | 4           | 1          |            |            |            |              |             |              |
| 58          |             |            | 2          | 1          | 1          |              |             | 6            |
|             |             |            | 16         | 15         | 826        |              | 17          | 3            |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No.of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|--------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                    |            |             |             |              |
| 5          | 61          | 00         | 145         | 13452              | 184        |             | 87          |              |
|            | 61          | 00         | 150         | 89330              | 998        |             | 727         |              |
|            | 61          | 00         | 155         | 26643              | 403        |             | 283         |              |
|            | 61          | 00         | 160         | 87430              | 1307       |             | 934         | 3            |
|            | 61          | 00         | 165         | 145166             | 2920       |             | 2013        | 129          |
|            | 61          | 00         | 170         | 27319              | 498        |             | 319         |              |
|            | 61          | 00         | 175         | 51308              | 1003       |             | 793         |              |
|            | 61          | 05         | 145         | 6400               | 52         |             | 38          |              |
|            | 61          | 05         | 150         | 3200               | 26         |             | 16          |              |
|            | 61          | 05         | 160         | 3200               | 51         |             | 42          |              |
|            | 62          | 00         | 160         | 23517              | 349        |             | 224         | 14           |
|            | 62          | 00         | 165         | 112740             | 3750       |             | 3330        | 9            |
|            | 62          | 00         | 170         | 43503              | 1488       |             | 861         | 2            |
|            | 62          | 00         | 175         | 57130              | 1788       |             | 1187        | 137          |
|            | 62          | 05         | 160         | 55895              | 1087       |             | 455         | 318          |
|            | 62          | 05         | 165         | 23872              | 442        |             | 184         | 152          |
|            | 62          | 05         | 170         | 19310              | 401        |             | 159         | 158          |
|            | 62          | 05         | 175         | 17640              | 307        |             | 143         | 37           |
|            | 62          | 10         | 160         | 64816              | 1681       |             | 993         | 416          |
|            | 62          | 10         | 165         | 5692               | 147        |             | 60          | 66           |
|            | 62          | 10         | 170         | 2970               | 17         |             | 3           | 13           |
|            | 62          | 10         | 175         | 1925               | 77         |             | 21          | 49           |
|            | 62          | 25         | 155         | 2600               | 110        |             | 2           | 99           |
|            | 62          | 25         | 160         | 2600               | 70         |             | 2           | 55           |
|            | 62          | 30         | 150         | 2366               | 120        |             | 1           | 109          |
|            | 62          | 30         | 155         | 147029             | 6052       |             | 87          | 5347         |
|            | 62          | 30         | 160         | 38088              | 1189       |             | 17          | 1056         |
|            | 62          | 35         | 155         | 29045              | 1023       |             | 17          | 857          |
|            | 62          | 35         | 170         | 41160              | 5501       |             | 4           | 5456         |
|            | 63          | 00         | 140         | 5260               | 24         |             | 10          |              |

| 다랭이<br>BET | 가다랭이<br>SKJ | 황새 치<br>SWO | 독새 치<br>BUM | 청새 치<br>STM | 돛새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|------------|-------------|-------------|-------------|-------------|-------------|---------------|-------------|---------------|
| 90         |             |             |             | 7           |             |               |             |               |
| 250        |             | 6           | 12          |             | 3           |               |             |               |
| 105        |             | 3           | 6           | 3           |             |               | 3           |               |
| 325        | 7           | 3           | 29          | 3           |             |               | 3           |               |
| 646        | 43          | 7           | 36          | 8           | 7           | 1             | 22          | 8             |
| 59         |             |             | 2           | 3           |             | 1             |             | 114           |
| 191        |             | 2           | 12          | 2           |             |               | 1           | 2             |
| 14         |             |             |             |             |             |               |             |               |
| 9          |             |             | 1           |             |             |               |             |               |
| 9          |             |             |             |             |             |               |             |               |
| 68         | 3           | 1           | 7           | 4           |             | 1             | 6           | 21            |
| 315        |             | 9           | 37          | 4           | 18          | 1             | 9           | 18            |
| 134        |             |             | 8           | 2           |             | 1             | 4           | 476           |
| 395        |             | 3           | 32          | 3           | 2           | 3             |             | 26            |
| 215        |             | 4           | 28          | 10          | 12          |               | 38          | 7             |
| 87         |             |             | 8           | 3           | 4           |               | 3           | 1             |
| 69         |             |             | 11          | 1           | 1           |               | 2           |               |
| 106        |             |             | 15          |             | 2           |               |             | 4             |
| 181        |             | 1           | 13          | 10          | 2           | 9             | 33          | 23            |
| 11         |             |             | 1           | 4           | 1           | 3             |             | 1             |
| 1          |             |             |             |             |             |               |             |               |
| 7          |             |             |             |             |             |               |             |               |
|            |             |             | 1           |             |             | 1             |             | 7             |
| 10         |             |             |             |             |             | 2             |             | 1             |
| 4          |             |             | 3           |             |             |               |             | 3             |
| 419        |             | 4           | 51          | 2           |             | 8             | 1           | 133           |
| 47         |             |             | 10          |             |             | 6             |             | 53            |
| 106        |             | 4           | 6           | 1           |             | 9             |             | 23            |
| 7          |             | 3           | 2           | 4           |             | 2             |             | 23            |
| 13         |             |             |             | 1           |             |               |             |               |



| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 5          | 63          | 00         | 145         | 9620                | 91         |             | 16          |              |
|            | 63          | 00         | 150         | 8380                | 66         |             | 28          | 1            |
|            | 63          | 00         | 160         | 11970               | 178        |             | 120         |              |
|            | 63          | 00         | 165         | 30535               | 799        |             | 652         |              |
|            | 63          | 00         | 170         | 32110               | 625        |             | 189         | 106          |
|            | 63          | 00         | 175         | 5200                | 167        |             | 75          | 27           |
|            | 63          | 05         | 145         | 24553               | 635        |             | 163         | 239          |
|            | 63          | 05         | 165         | 72760               | 2199       |             | 1921        | 8            |
|            | 63          | 05         | 170         | 65715               | 1457       |             | 792         | 332          |
|            | 63          | 05         | 175         | 111651              | 2471       |             | 1020        | 1130         |
|            | 63          | 10         | 160         | 6410                | 142        |             | 73          | 16           |
|            | 63          | 10         | 170         | 40014               | 871        |             | 230         | 499          |
|            | 63          | 10         | 175         | 44871               | 911        |             | 248         | 518          |
|            | 63          | 15         | 175         | 5533                | 83         |             | 11          | 64           |
|            | 63          | 25         | 130         | 4656                | 207        |             | 5           | 181          |
|            | 63          | 25         | 135         | 50736               | 1927       |             | 304         | 1523         |
|            | 63          | 25         | 140         | 5436                | 186        |             |             | 179          |
|            | 63          | 25         | 145         | 16382               | 309        |             | 34          | 239          |
|            | 63          | 25         | 155         | 35870               | 795        |             | 91          | 461          |
|            | 63          | 25         | 160         | 4740                | 99         |             | 4           | 76           |
|            | 63          | 30         | 130         | 28484               | 900        |             | 42          | 771          |
|            | 63          | 30         | 135         | 45188               | 1557       |             | 53          | 1348         |
|            | 63          | 30         | 140         | 79578               | 2290       |             | 127         | 1961         |
|            | 63          | 30         | 145         | 71060               | 2786       |             | 31          | 2675         |
|            | 63          | 30         | 150         | 28626               | 630        |             | 21          | 562          |
|            | 63          | 30         | 160         | 4634                | 17         |             | 3           | 12           |
|            | 63          | 30         | 165         | 10095               | 489        |             | 10          | 457          |
|            | 63          | 30         | 170         | 5475                | 65         |             |             | 58           |
|            | 63          | 35         | 145         | 37200               | 1341       |             | 55          | 1275         |
|            | 63          | 35         | 150         | 121525              | 5635       |             | 16          | 5471         |
|            | 63          | 35         | 155         | 64301               | 1991       |             | 80          | 1866         |
|            | 63          | 35         | 160         | 7056                | 227        |             |             | 224          |

| 다랭이 | 가다랭이 | 황새치 | 녹새치 | 정새치 | 돛새치 | 상어     | 기타새치 | 기타     |
|-----|------|-----|-----|-----|-----|--------|------|--------|
| BET | SKJ  | SWO | BUM | STM | SAI | Sharks | OTB  | Others |
| 64  | 3    |     | 4   | 2   |     |        | 1    | 1      |
| 34  |      |     | 2   | 1   |     |        |      |        |
| 34  |      | 9   |     |     | 4   | 1      |      | 10     |
| 105 |      | 7   | 1   |     |     | 2      |      | 32     |
| 170 | 4    | 8   | 10  | 3   | 6   | 3      |      | 126    |
| 52  |      |     | 1   |     | 2   | 2      |      | 8      |
| 173 |      |     | 11  | 6   | 16  | 2      | 7    | 18     |
| 125 |      | 18  | 2   |     | 6   | 2      |      | 117    |
| 170 |      | 17  | 23  | 2   | 3   | 2      | 2    | 114    |
| 248 | 1    | 4   | 19  | 2   | 3   | 2      | 5    | 37     |
| 38  |      |     | 1   | 2   |     | 1      | 6    | 5      |
| 107 | 3    | 1   | 6   | 2   |     | 2      |      | 21     |
| 118 |      |     | 10  | 9   |     | 1      |      | 7      |
| 7   |      | 1   |     |     |     |        |      |        |
| 1   | 6    |     |     |     | 4   | 2      |      | 8      |
| 31  | 4    |     | 19  | 3   | 1   | 7      | 7    | 28     |
|     |      |     | 2   |     |     |        |      | 5      |
| 15  |      |     | 11  | 1   |     | 1      | 4    | 4      |
| 115 | 10   | 2   | 19  | 1   |     | 5      | 2    | 89     |
| 12  |      |     |     | 3   |     |        | 4    |        |
| 11  | 11   |     | 2   | 2   | 3   | 10     | 3    | 45     |
| 25  | 6    |     | 4   | 5   | 5   | 19     | 12   | 80     |
| 12  | 4    |     | 30  | 6   | 5   | 31     | 18   | 96     |
| 20  |      | 1   | 17  | 1   | 4   | 8      | 3    | 26     |
| 27  |      | 2   | 1   | 3   | 1   | 3      | 6    | 4      |
|     |      |     |     |     |     | 1      |      | 1      |
| 3   |      | 2   |     | 3   |     | 1      | 2    | 11     |
| 2   |      |     |     | 2   |     |        | 3    |        |
|     |      |     | 6   | 1   |     | 1      | 3    |        |
| 6   |      | 11  | 9   | 8   | 1   | 20     | 14   | 79     |
| 5   |      | 1   | 7   | 6   | 3   | 3      | 10   | 10     |
| 1   |      |     |     | 2   |     |        |      |        |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No.of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개 다랭이<br>ALB |
|------------|-------------|------------|-------------|--------------------|------------|-------------|-------------|---------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                    |            |             |             |               |
| 5          | 63          | 35         | 165         | 4560               | 296        |             | 16          | 272           |
|            | 64          | 00         | 145         | 5200               | 21         |             | 3           |               |
|            | 64          | 00         | 160         | 102372             | 1978       |             | 1314        |               |
|            | 64          | 00         | 165         | 235565             | 4778       |             | 2956        | 5             |
|            | 64          | 00         | 170         | 107008             | 1903       |             | 1122        | 10            |
|            | 64          | 00         | 175         | 71725              | 1754       |             | 1322        |               |
|            | 64          | 05         | 150         | 2340               | 12         |             | 4           |               |
|            | 64          | 10         | 085         | 17050              | 481        |             |             |               |
|            | 64          | 10         | 090         | 20000              | 774        |             |             |               |
|            |             |            |             |                    |            |             |             |               |
| 6          | 61          | 00         | 080         | 2772               | 18         |             |             |               |
|            | 61          | 00         | 150         | 3300               | 25         |             | 18          | 2             |
|            | 61          | 00         | 155         | 38310              | 683        |             | 414         |               |
|            | 61          | 00         | 160         | 18250              | 180        |             | 140         |               |
|            | 61          | 00         | 165         | 47110              | 1045       |             | 940         | 2             |
|            | 61          | 00         | 170         | 12450              | 459        |             | 432         |               |
|            | 61          | 00         | 175         | 40481              | 909        |             | 612         |               |
|            | 61          | 05         | 155         | 2970               | 28         |             | 18          |               |
|            | 61          | 05         | 175         | 2990               | 25         |             | 17          |               |
|            |             |            |             |                    |            |             |             |               |
|            | 62          | 00         | 165         | 32170              | 384        |             | 283         | 12            |
|            | 62          | 00         | 170         | 63079              | 1183       |             | 857         | 110           |
|            | 62          | 00         | 175         | 178538             | 5202       |             | 3114        | 350           |
|            | 62          | 05         | 170         | 47095              | 1096       |             | 398         | 301           |
|            | 62          | 05         | 175         | 37528              | 1417       |             | 369         | 798           |
|            | 62          | 10         | 175         | 24233              | 500        |             | 190         | 222           |
|            | 62          | 20         | 175         | 2600               | 64         |             | 3           | 56            |
|            | 62          | 25         | 155         | 44230              | 2189       |             | 25          | 1436          |
|            | 62          | 25         | 160         | 21888              | 694        |             | 17          | 609           |
|            | 62          | 25         | 165         | 17630              | 383        |             | 14          | 327           |

| 다랭이  | 가다랭이 | 황새치 | 녹새치 | 참새치 | 돛새치 | 상어     | 기타새치 | 기타     |
|------|------|-----|-----|-----|-----|--------|------|--------|
| BET  | SKJ  | SWO | BUM | STM | SAI | Sharks | OTB  | Others |
| 1    |      |     |     | 4   |     |        |      | 3      |
| 9    | 5    |     |     |     |     | 4      |      |        |
| 592  | 16   | 10  | 16  | 3   | 5   | 4      | 5    | 13     |
| 1556 | 171  | 19  | 32  | 3   | 6   | 3      | 6    | 21     |
| 687  | 10   | 3   | 20  | 3   | 9   | 2      | 2    | 35     |
| 396  |      | 5   | 18  | 3   |     | 7      | 3    |        |
| 6    | 2    |     |     |     |     |        |      |        |
|      |      |     | 3   | 18  | 373 | 5      | 80   | 2      |
|      |      |     | 6   | 2   | 755 |        | 5    | 6      |
| 12   |      |     | 2   | 3   |     | 1      |      |        |
| 5    |      |     |     |     |     |        |      |        |
| 214  | 28   | 1   | 12  | 3   | 5   |        | 4    | 2      |
| 25   |      | 1   | 12  | 2   |     |        |      |        |
| 90   |      | 2   | 6   | 2   | 1   |        | 2    |        |
| 17   | 6    |     | 4   |     |     |        |      |        |
| 270  |      | 12  | 8   | 3   |     | 4      |      |        |
| 7    |      | 1   | 2   |     |     |        |      |        |
| 7    |      |     | 1   |     |     |        |      |        |
| 69   | 2    | 7   | 7   | 2   |     |        | 2    |        |
| 185  | 20   | 1   | 6   | 4   |     |        |      |        |
| 624  |      | 7   | 25  | 10  | 5   | 11     | 21   | 1035   |
| 348  | 7    | 5   | 7   | 3   |     |        | 3    | 24     |
| 242  |      | 2   | 2   | 2   |     |        | 2    |        |
| 76   |      | 5   | 1   | 3   |     |        | 3    |        |
| 2    |      |     | 2   |     |     |        |      | 1      |
| 656  |      |     | 13  |     | 1   | 14     |      | 44     |
| 18   |      |     | 10  |     |     | 24     |      | 16     |
| 18   |      |     | 2   | 1   |     | 13     |      | 8      |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quai. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 6          | 62          | 25         | 170         | 25470               | 513        |             | 31          | 409          |
|            | 62          | 25         | 175         | 2600                | 50         |             | 1           | 39           |
|            | 62          | 30         | 155         | 38685               | 1408       |             | 13          | 1219         |
|            | 62          | 30         | 160         | 9250                | 246        |             | 9           | 220          |
|            | 62          | 30         | 165         | 51853               | 1888       |             | 47          | 1619         |
|            | 62          | 30         | 170         | 2280                | 87         |             | 1           | 78           |
|            | 62          | 35         | 160         | 2100                | 93         |             | 3           | 85           |
|            | 62          | 35         | 170         | 23760               | 1518       |             | 6           | 1463         |
|            | 63          | 00         | 080         | 2988                | 22         |             |             |              |
|            | 63          | 00         | 090         | 16171               | 153        |             | 15          |              |
|            | 63          | 00         | 095         | 2470                | 19         |             | 4           |              |
|            | 63          | 00         | 160         | 7380                | 61         |             | 45          | 1            |
|            | 63          | 00         | 165         | 17810               | 273        |             | 148         | 50           |
|            | 63          | 00         | 170         | 96478               | 1656       |             | 934         | 217          |
|            | 63          | 00         | 175         | 56921               | 976        |             | 486         | 128          |
|            | 63          | 05         | 165         | 61500               | 1621       |             | 1166        | 191          |
|            | 63          | 05         | 170         | 53790               | 1059       |             | 178         | 617          |
|            | 63          | 05         | 175         | 16777               | 276        |             | 31          | 150          |
|            | 63          | 10         | 145         | 10300               | 373        |             | 88          | 120          |
|            | 63          | 10         | 165         | 10600               | 116        |             | 16          | 87           |
|            | 63          | 10         | 170         | 16570               | 257        |             | 38          | 165          |
|            | 63          | 10         | 175         | 6600                | 76         |             | 7           | 64           |
|            | 63          | 20         | 175         | 2600                | 60         |             | 4           | 51           |
|            | 63          | 25         | 125         | 3040                | 31         |             | 10          | 12           |
|            | 63          | 25         | 130         | 158166              | 5226       |             | 377         | 4144         |
|            | 63          | 25         | 135         | 98048               | 2323       | 50          | 210         | 1854         |
|            | 63          | 25         | 140         | 35410               | 1150       |             | 454         | 571          |
|            | 63          | 25         | 145         | 91613               | 2142       |             | 424         | 1451         |
|            | 63          | 25         | 150         | 40215               | 935        |             | 117         | 623          |
|            | 63          | 25         | 155         | 5910                | 88         |             | 16          | 51           |
|            | 63          | 25         | 165         | 13950               | 287        |             | 17          | 235          |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황새치<br>SWO | 녹새치<br>BUM | 청새치<br>STM | 돛새치<br>SAI | 상어<br>Sharks | 기타새치<br>OTB | 기타<br>Others |
|-------------|-------------|------------|------------|------------|------------|--------------|-------------|--------------|
| 32          |             |            | 17         | 2          | 2          | 13           |             | 7            |
| 8           |             |            |            |            |            |              |             | 2            |
| 101         |             |            | 22         |            |            | 23           |             | 30           |
| 11          |             |            | 1          |            |            | 4            |             | 1            |
| 143         |             | 1          | 13         | 3          |            | 28           | 4           | 30           |
| 7           |             |            | 1          |            |            |              |             |              |
| 2           |             |            |            |            |            | 3            |             |              |
| 12          |             |            | 2          | 4          |            | 6            |             | 25           |
| 18          |             |            |            | 1          |            | 3            |             |              |
| 114         |             | 1          | 1          | 3          | 1          | 8            | 3           | 7            |
| 13          |             |            | 1          | 1          |            |              |             |              |
| 12          |             |            | 1          | 2          |            |              |             |              |
| 62          |             | 2          | 9          |            |            |              |             | 2            |
| 409         | 15          |            | 31         | 2          | 2          | 3            | 4           | 39           |
| 283         | 6           | 1          | 6          | 3          | 5          | 2            | 8           | 48           |
| 173         |             | 18         | 1          |            | 2          | 4            |             | 66           |
| 237         | 1           | 3          | 3          | 5          | 2          | 1            | 9           | 3            |
| 81          |             |            | 7          | 3          |            |              | 4           |              |
| 114         |             | 1          | 1          | 3          |            | 15           | 3           | 28           |
| 5           |             | 1          |            |            |            | 1            |             | 6            |
| 43          |             | 2          | 1          | 1          |            | 2            |             | 5            |
| 4           |             | 1          |            |            |            |              |             |              |
| 1           |             |            | 3          |            |            |              |             | 1            |
|             | 2           |            | 3          |            |            | 2            |             | 2            |
| 65          | 90          |            | 48         | 31         | 56         | 119          | 78          | 218          |
| 41          | 23          | 1          | 27         | 15         | 11         | 15           | 30          | 46           |
| 37          | 1           |            | 23         | 2          | 18         | 12           |             | 32           |
| 66          |             | 4          | 76         | 12         | 31         | 31           | 26          | 21           |
| 74          | 4           | 4          | 25         | 7          | 9          | 14           |             | 58           |
| 8           |             |            | 3          | 4          | 4          | 1            |             | 1            |
| 21          |             |            | 1          | 2          |            | 1            | 2           | 8            |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 6          | 63          | 25         | 170         | 42090               | 803        |             | 35          | 674          |
|            | 63          | 30         | 135         | 20475               | 468        |             | 16          | 396          |
|            | 63          | 30         | 140         | 8700                | 224        |             | 61          | 128          |
|            | 63          | 30         | 145         | 39095               | 1069       |             | 50          | 972          |
|            | 63          | 30         | 150         | 2600                | 48         |             | 2           | 42           |
|            | 63          | 30         | 170         | 18081               | 403        |             | 6           | 371          |
|            | 63          | 30         | 175         | 3825                | 52         |             | 1           | 44           |
|            | 63          | 35         | 165         | 23580               | 1991       |             | 12          | 1940         |
|            | 64          | 00         | 095         | 19880               | 188        |             | 9           |              |
|            | 64          | 00         | 100         | 14100               | 116        |             |             |              |
|            | 64          | 00         | 110         | 2600                | 27         |             |             |              |
|            | 64          | 00         | 115         | 8120                | 37         |             | 3           |              |
|            | 64          | 00         | 120         | 18140               | 94         |             | 3           |              |
|            | 64          | 00         | 125         | 11340               | 71         |             | 4           |              |
|            | 64          | 00         | 130         | 5600                | 22         |             | 6           |              |
|            | 64          | 00         | 160         | 82020               | 1867       |             | 1200        | 2            |
|            | 64          | 00         | 165         | 136905              | 3240       |             | 2454        |              |
|            | 64          | 00         | 170         | 197759              | 4399       |             | 2732        | 17           |
|            | 64          | 00         | 175         | 33268               | 642        |             | 219         |              |
|            | 64          | 05         | 130         | 9828                | 105        |             | 8           |              |
|            | 64          | 05         | 135         | 5040                | 41         |             | 1           |              |
|            | 64          | 05         | 175         | 5200                | 82         |             | 58          |              |
|            | 64          | 10         | 085         | 6000                | 215        |             |             |              |
|            | 64          | 10         | 090         | 46075               | 1961       |             |             |              |
| 7          | 61          | 00         | 160         | 9840                | 104        |             | 54          |              |
|            | 61          | 00         | 165         | 160450              | 3063       |             | 2065        |              |
|            | 61          | 00         | 170         | 17095               | 349        |             | 270         |              |
|            |             | 00         | 175         | 88967               | 1330       |             | 898         |              |
|            | 61          | 05         | 170         | 2400                | 27         |             | 15          |              |



| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황새치<br>SWO | 녹새치<br>BUM | 청새치<br>STM | 돛새치<br>SAI | 상어<br>Sharks | 기타새치<br>OTB | 기타<br>Others |
|-------------|-------------|------------|------------|------------|------------|--------------|-------------|--------------|
| 54          |             |            |            | 7          |            | 5            | 21          | 7            |
| 27          |             | 2          |            | 7          | 7          | 2            | 11          |              |
| 10          |             |            | 1          | 4          | 7          | 2            | 11          |              |
| 24          |             | 1          | 3          | 3          |            | 6            | 4           | 6            |
|             |             | 3          |            |            |            |              |             | 1            |
| 17          |             |            |            | 3          |            | 4            | 2           |              |
| 5           |             |            |            | 1          |            | 1            |             |              |
| 3           |             | 4          | 1          | 4          | 4          | 4            | 4           | 15           |
| 141         |             | 3          | 1          | 5          |            | 5            | 19          | 5            |
| 94          |             |            |            | 2          |            | 5            | 8           | 7            |
| 18          |             | 1          | 3          |            |            | 3            |             | 2            |
| 25          | 5           | 1          | 3          |            |            |              |             |              |
| 70          | 9           | 1          | 10         |            |            | 1            |             |              |
| 54          | 4           | 5          | 3          |            |            | 1            |             |              |
| 6           | 5           |            | 2          |            |            |              |             | 3            |
| 574         | 53          | 8          | 13         | 4          | 1          | 2            | 8           | 2            |
| 703         | 27          | 17         | 22         | 4          | 3          | 2            | 8           |              |
| 1460        | 70          | 1          | 19         | 4          | 3          | 3            | 7           | 83           |
| 363         | 17          | 2          | 5          | 2          |            | 1            |             | 33           |
| 92          | 3           |            | 1          |            |            |              |             | 1            |
| 30          | 8           |            | 2          |            |            |              |             |              |
| 21          |             |            | 3          |            |            |              |             |              |
|             |             |            |            | 2          | 202        |              | 7           | 4            |
|             |             |            | 4          | 4          | 1920       |              | 12          | 21           |
| 22          |             | 1          | 5          |            | 5          |              |             | 17           |
| 667         | 12          | 8          | 58         | 6          | 18         | 3            | 2           | 224          |
| 70          |             |            | 6          | 3          |            |              |             |              |
| 297         | 7           | 1          | 69         | 3          |            | 52           |             | 3            |
| 9           |             |            | 2          |            | 1          |              |             |              |

| 월<br>Month | 해역<br>Area  |            |             | 잡시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 7          | 62          | 00         | 160         | 11925               | 194        |             | 130         |              |
|            | 62          | 00         | 165         | 31200               | 875        |             | 754         |              |
|            | 62          | 00         | 170         | 104845              | 3084       |             | 2713        |              |
|            | 62          | 00         | 175         | 11180               | 399        |             | 344         |              |
|            | 62          | 05         | 165         | 6720                | 118        |             | 95          |              |
|            | 62          | 05         | 170         | 43350               | 1282       |             | 506         | 12           |
|            | 62          | 05         | 175         | 7700                | 158        |             | 56          | 67           |
|            | 62          | 10         | 175         | 3850                | 95         |             | 63          | 20           |
|            | 62          | 15         | 170         | 5640                | 116        |             | 31          | 51           |
|            | 62          | 15         | 175         | 4063                | 86         |             | 44          | 30           |
|            | 62          | 20         | 155         | 20800               | 399        |             | 38          | 303          |
|            | 62          | 20         | 160         | 33800               | 866        |             | 41          | 752          |
|            | 62          | 20         | 170         | 16940               | 436        |             | 45          | 327          |
|            | 62          | 20         | 175         | 45932               | 875        |             | 131         | 611          |
|            | 62          | 25         | 160         | 13000               | 1012       |             | 22          | 942          |
|            | 62          | 25         | 170         | 9735                | 266        |             | 31          | 183          |
|            | 62          | 25         | 175         | 42180               | 1006       |             | 29          | 902          |
|            | 62          | 35         | 150         | 27960               | 2485       |             | 32          | 2381         |
|            | 63          | 00         | 115         | 3020                | 34         |             |             |              |
|            | 63          | 00         | 150         | 2915                | 21         |             | 16          |              |
|            | 63          | 00         | 155         | 14156               | 154        |             | 87          | 25           |
|            | 63          | 00         | 160         | 9150                | 239        |             | 117         | 27           |
|            | 63          | 00         | 165         | 35910               | 1326       |             | 1015        | 83           |
|            | 63          | 00         | 170         | 20080               | 549        |             | 350         | 62           |
|            | 63          | 00         | 175         | 20730               | 624        |             | 349         | 96           |
|            | 63          | 05         | 145         | 51000               | 1693       |             | 475         | 520          |
|            | 63          | 05         | 150         | 16026               | 494        |             | 146         | 163          |
|            | 63          | 05         | 155         | 19866               | 488        |             | 175         | 170          |
|            | 63          | 05         | 160         | 22370               | 983        |             | 298         | 320          |
|            | 63          | 05         | 165         | 15280               | 378        |             | 99          | 137          |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황새치<br>SWO | 녹새치<br>BUM | 청새치<br>STM | 돛새치<br>SAI | 상어<br>Sharks | 기타새치<br>OTB | 기타<br>Others |
|-------------|-------------|------------|------------|------------|------------|--------------|-------------|--------------|
| 54          |             | 4          |            | 1          |            |              |             | 5            |
| 62          |             | 2          | 3          | 3          |            |              |             | 51           |
| 359         |             | 1          | 3          | 6          |            |              | 2           |              |
| 52          |             | 1          |            | 2          |            |              |             |              |
| 20          |             |            |            |            |            |              |             | 3            |
| 675         |             | 17         | 2          |            | 20         | 7            |             | 43           |
| 32          |             | 1          |            | 2          |            |              |             |              |
| 11          |             |            |            | 1          |            |              |             |              |
| 13          |             |            |            | 2          | 17         | 1            |             | 1            |
| 8           |             |            | 3          |            |            |              |             | 1            |
| 30          |             |            | 8          |            |            | 20           |             |              |
| 40          |             |            |            | 16         |            | 17           |             |              |
| 13          |             |            | 13         | 2          | 4          | 32           |             |              |
| 34          |             |            | 26         | 3          |            | 65           |             | 5            |
| 40          |             |            |            | 4          |            | 3            | 1           |              |
| 8           |             |            | 7          | 1          | 1          | 35           |             |              |
| 35          |             | 7          | 24         | 5          | 1          | 1            | 1           | 1            |
| 21          |             | 6          | 2          | 2          | 4          | 5            |             | 32           |
| 27          |             |            |            | 7          |            |              |             |              |
| 3           |             |            | 2          |            |            |              |             |              |
| 33          |             | 1          | 4          | 1          |            | 3            |             |              |
| 94          |             |            |            |            |            |              |             | 1            |
| 207         |             | 6          | 8          | 2          |            | 2            | 2           | 1            |
| 126         | 1           | 1          | 1          | 4          | 2          | 1            |             | 1            |
| 175         |             |            | 2          | 1          | 1          |              |             |              |
| 524         | 27          | 3          | 3          | 6          | 15         | 95           | 4           | 21           |
| 129         | 3           | 5          | 6          |            | 1          | 31           |             | 10           |
| 136         |             | 1          | 2          | 3          |            | 1            |             |              |
| 236         |             |            |            | 8          | 12         | 3            | 5           | 1            |
| 35          | 4           |            |            |            | 1          | 7            |             | 5            |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quaa. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 7          | 63          | 05         | 170         | 172946              | 4470       |             | 1239        | 1869         |
|            | 63          | 05         | 175         | 119353              | 2771       |             | 620         | 1446         |
|            | 63          | 10         | 130         | 2535                | 60         | 12          | 17          | 27           |
|            | 63          | 10         | 145         | 2550                | 92         |             | 20          | 45           |
|            | 63          | 10         | 150         | 38635               | 1360       | 11          | 546         | 415          |
|            | 63          | 10         | 170         | 9933                | 174        |             | 40          | 118          |
|            | 63          | 10         | 175         | 10325               | 147        |             | 17          | 92           |
|            | 63          | 15         | 140         | 5600                | 277        | 12          | 37          | 210          |
|            | 63          | 15         | 170         | 4498                | 121        |             | 29          | 67           |
|            | 63          | 15         | 175         | 18164               | 357        |             | 98          | 222          |
|            | 63          | 20         | 145         | 5400                | 150        |             | 50          | 88           |
|            | 63          | 20         | 165         | 9785                | 194        |             | 12          | 169          |
|            | 63          | 20         | 170         | 22437               | 377        |             | 22          | 327          |
|            | 63          | 20         | 175         | 7444                | 147        |             | 17          | 93           |
|            | 63          | 25         | 125         | 15850               | 462        |             | 28          | 397          |
|            | 63          | 25         | 130         | 139843              | 4889       |             | 202         | 4305         |
|            | 63          | 25         | 135         | 199877              | 7297       |             | 532         | 6364         |
|            | 63          | 25         | 140         | 5640                | 109        |             | 32          | 70           |
|            | 63          | 25         | 145         | 2700                | 57         |             | 19          | 32           |
|            | 63          | 25         | 165         | 55345               | 1538       |             | 97          | 1269         |
|            | 63          | 25         | 170         | 18002               | 302        |             | 20          | 250          |
|            | 63          | 25         | 175         | 2150                | 36         |             | 1           | 32           |
|            | 63          | 30         | 130         | 9760                | 641        |             | 4           | 608          |
|            | 63          | 30         | 165         | 6720                | 317        |             | 9           | 269          |
|            | 63          | 30         | 170         | 23288               | 1048       |             | 23          | 853          |
|            | 63          | 35         | 135         | 2820                | 136        |             | 7           | 125          |
|            | 64          | 00         | 100         | 75562               | 605        |             | 19          |              |
|            | 64          | 00         | 105         | 25492               | 119        |             | 9           |              |
|            | 64          | 00         | 110         | 19650               | 155        |             | 5           |              |
|            | 64          | 00         | 115         | 16600               | 96         |             |             |              |
|            | 64          | 00         | 120         | 5720                | 50         |             | 7           |              |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황새 치<br>SWO | 녹새 치<br>BUM | 청새 치<br>STM | 돛새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|-------------|-------------|-------------|-------------|-------------|---------------|-------------|---------------|
| 1183        | 21          | 14          | 39          | 15          | 32          | 13            | 5           | 40            |
| 653         |             | 2           | 16          | 9           |             | 2             | 6           | 17            |
| 1           |             |             | 2           | 1           |             |               |             |               |
| 20          | 2           |             |             | 1           |             | 2             |             | 2             |
| 351         |             |             | 7           | 10          |             | 15            | 4           | 1             |
| 11          |             | 3           | 1           | 1           |             |               |             |               |
| 31          |             | 2           | 3           |             |             |               |             | 2             |
| 4           |             |             | 3           |             | 5           |               |             | 6             |
| 9           |             |             | 6           |             |             |               |             | 10            |
| 20          |             |             | 11          |             |             |               |             | 6             |
| 2           |             | 2           | 6           |             |             | 2             |             |               |
| 10          |             |             |             | 3           |             |               |             |               |
| 10          | 2           |             | 2           | 9           | 1           | 1             | 3           |               |
| 19          |             |             | 12          | 3           |             |               |             | 3             |
| 1           | 2           | 4           | 10          | 1           |             | 10            |             | 9             |
| 38          | 49          | 8           | 42          | 55          | 11          | 125           | 11          | 43            |
| 90          | 21          | 2           | 46          | 66          | 2           | 114           | 18          | 42            |
| 5           |             |             | 1           |             |             | 1             |             |               |
| 2           |             |             | 3           |             |             | 1             |             |               |
| 66          |             | 6           | 33          | 20          | 14          | 21            | 7           | 5             |
| 20          |             |             | 5           | 1           | 1           | 5             |             |               |
|             |             |             | 1           |             |             | 2             |             |               |
| 2           | 3           |             |             | 1           | 1           | 19            |             | 3             |
| 30          |             |             |             |             | 2           | 7             |             |               |
| 139         |             | 3           | 2           | 2           | 2           | 24            |             |               |
| 4           |             |             |             |             |             |               |             |               |
| 439         | 29          | 19          | 33          | 41          |             |               | 15          | 10            |
| 76          | 3           | 2           | 13          | 9           |             |               | 6           | 1             |
| 95          | 2           | 2           | 6           | 20          |             |               | 10          | 14            |
| 67          | 3           | 4           | 10          | 8           | 1           |               | 2           | 1             |
| 36          |             |             | 3           | 4           |             |               |             |               |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개 다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|---------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |               |
| 7          | 64          | 00         | 125         | 2990                | 16         |             | 6           |               |
|            | 64          | 00         | 150         | 13390               | 241        |             | 148         |               |
|            | 64          | 00         | 155         | 39039               | 879        |             | 497         |               |
|            | 64          | 00         | 160         | 210619              | 4814       |             | 2666        | 15            |
|            | 64          | 00         | 165         | 110731              | 2292       |             | 1257        | 2             |
|            | 64          | 00         | 170         | 14900               | 210        |             | 116         |               |
|            | 64          | 00         | 175         | 50934               | 941        |             | 666         | 1             |
|            | 64          | 05         | 100         | 36460               | 337        |             | 44          |               |
|            | 64          | 05         | 105         | 2600                | 7          |             |             |               |
|            | 64          | 05         | 150         | 13500               | 239        |             | 124         |               |
|            | 64          | 05         | 160         | 5395                | 163        |             | 82          |               |
|            | 64          | 10         | 085         | 35300               | 1673       |             |             |               |
|            | 64          | 10         | 090         | 16250               | 210        |             |             |               |
| 8          | 61          | 00         | 155         | 13725               | 242        |             | 38          |               |
|            | 61          | 00         | 160         | 22365               | 375        |             | 142         |               |
|            | 61          | 00         | 165         | 9165                | 132        |             | 41          |               |
|            | 61          | 00         | 170         | 26845               | 616        |             | 493         |               |
|            | 61          | 00         | 175         | 46540               | 926        |             | 786         |               |
|            | 61          | 05         | 155         | 21320               | 609        |             | 536         |               |
|            | 62          | 00         | 160         | 25365               | 784        |             | 602         |               |
|            | 62          | 00         | 165         | 27412               | 545        |             | 422         |               |
|            | 62          | 00         | 170         | 41025               | 1401       |             | 1014        | 7             |
|            | 62          | 00         | 175         | 118495              | 3180       |             | 2166        | 92            |
|            | 62          | 05         | 160         | 4380                | 23         |             | 13          | 1             |
|            | 62          | 05         | 165         | 10980               | 138        |             | 78          |               |
|            | 62          | 05         | 170         | 41050               | 1225       |             | 691         | 76            |
|            | 62          | 05         | 175         | 9460                | 418        |             | 161         | 77            |
|            | 62          | 15         | 155         | 2600                | 138        |             | 25          | 108           |
|            | 62          | 20         | 150         | 13000               | 394        |             | 209         | 170           |
|            | 62          | 20         | 155         | 59800               | 2435       |             | 80          | 2177          |

| 군다랭이<br>BET | 가다랭이<br>SKJ | 황새치<br>SWO | 녹새치<br>BUM | 청새치<br>STM | 돛새치<br>SAI | 상어<br>Sharks | 기타새치<br>OTB | 기타<br>Others. |
|-------------|-------------|------------|------------|------------|------------|--------------|-------------|---------------|
| 9           |             | 1          |            |            |            |              |             |               |
| 78          | 8           | 2          |            | 2          | 3          |              |             |               |
| 359         | 8           | 2          | 9          | 1          |            | 3            |             |               |
| 1899        | 22          | 6          | 19         | 30         | 7          | 11           | 6           | 133           |
| 881         | 3           | 3          | 17         | 8          | 4          | 9            | 2           | 106           |
| 93          |             |            | 1          |            |            |              |             |               |
| 250         |             | 3          | 12         | 4          | 1          | 2            |             | 2             |
| 258         | 1           | 4          | 16         | 10         |            |              | 4           |               |
| 5           |             |            | 2          |            |            |              |             |               |
| 104         |             |            | 8          | 2          |            | 1            |             |               |
| 78          |             |            |            | 3          |            |              |             |               |
|             |             |            | 3          | 38         | 1614       |              | 8           | 10            |
|             |             |            | 7          | 9          | 188        |              | 5           | 1             |
| 88          |             |            | 2          |            | 1          | 2            |             | 61            |
| 180         |             | 4          | 1          |            | 2          | 2            |             | 44            |
| 39          | 3           | 1          | 1          |            | 1          | 1            |             | 45            |
| 120         |             |            | 2          |            |            | 1            |             |               |
| 116         |             | 5          | 17         | 1          |            | 1            |             |               |
| 56          |             | 1          | 2          |            | 2          |              |             | 12            |
| 142         |             | 6          |            | 2          | 2          | 2            |             | 28            |
| 107         |             |            | 1          | 2          | 6          | 2            | 1           | 4             |
| 316         |             | 1          | 4          |            | 2          | 24           |             | 33            |
| 759         |             | 7          | 20         | 3          |            | 65           | 3           | 65            |
| 2           |             | 4          |            |            |            |              |             | 3             |
| 31          |             | 2          | 1          |            | 4          | 3            |             | 19            |
| 376         |             | 11         | 2          |            | 8          | 17           |             | 44            |
| 175         |             | 1          | 3          |            |            | 1            |             |               |
|             |             |            |            |            |            | 3            |             | 2             |
| 2           |             |            | 1          | 2          |            | 5            |             | 5             |
| 98          |             |            | 14         | 2          |            | 28           | 7           | 29            |



| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개 다랭이<br>A LB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|----------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |                |
| 8          | 62          | 20         | 170         | 5070                | 59         |             | 7           | 44             |
|            | 63          | 00         | 115         | 5810                | 68         |             |             |                |
|            | 63          | 00         | 120         | 6270                | 35         |             | 4           |                |
|            | 63          | 00         | 150         | 16875               | 323        |             | 154         |                |
|            | 63          | 00         | 155         | 23985               | 1052       |             | 322         | 20             |
|            | 63          | 00         | 160         | 42344               | 1278       |             | 522         | 8              |
|            | 63          | 00         | 165         | 28320               | 735        |             | 497         | 10             |
|            | 63          | 00         | 170         | 26464               | 660        |             | 399         |                |
|            | 63          | 00         | 175         | 233405              | 7676       |             | 5889        | 259            |
|            | 63          | 05         | 145         | 5100                | 92         |             | 20          | 22             |
|            | 63          | 05         | 150         | 22935               | 870        |             | 220         | 122            |
|            | 63          | 05         | 155         | 25500               | 1081       |             | 356         | 289            |
|            | 63          | 05         | 160         | 68632               | 2053       |             | 829         | 683            |
|            | 63          | 05         | 165         | 75716               | 2131       |             | 787         | 550            |
|            | 63          | 05         | 170         | 73921               | 2360       |             | 678         | 1034           |
|            | 63          | 05         | 175         | 89244               | 2205       |             | 588         | 948            |
|            | 63          | 10         | 085         | 2529                | 30         |             | 13          | 9              |
|            | 63          | 10         | 090         | 30363               | 162        |             | 17          | 4              |
|            | 63          | 10         | 145         | 27040               | 906        |             | 184         | 301            |
|            | 63          | 10         | 150         | 41367               | 1436       | 10          | 593         | 428            |
|            | 63          | 10         | 165         | 28720               | 670        |             | 109         | 361            |
|            | 63          | 10         | 170         | 59461               | 1154       |             | 320         | 678            |
|            | 63          | 15         | 085         | 10840               | 95         |             | 43          | 18             |
|            | 63          | 15         | 090         | 16030               | 365        |             | 14          | 302            |
|            | 63          | 15         | 165         | 5200                | 51         |             | 3           | 33             |
|            | 63          | 15         | 170         | 26300               | 473        |             | 81          | 326            |
|            | 63          | 20         | 080         | 5460                | 61         |             | 8           |                |
|            | 63          | 20         | 085         | 2400                | 23         |             | 10          | 4              |
|            | 63          | 20         | 160         | 16232               | 338        |             | 33          | 238            |
|            | 63          | 20         | 165         | 19880               | 442        |             | 20          | 311            |
|            | 63          | 20         | 170         | 36689               | 636        |             | 31          | 546            |
|            | 63          | 20         | 175         | 17745               | 315        |             | 205         | 70             |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황새치<br>SWO | 녹새치<br>BUM | 청새치<br>STM | 돛새치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|-------------|------------|------------|------------|------------|---------------|-------------|---------------|
|             |             |            |            |            |            | 8             |             |               |
| 53          |             |            | 1          | 3          |            |               | 8           | 3             |
| 19          | 3           |            |            | 2          |            |               | 6           | 1             |
| 163         |             | 1          |            | 2          |            | 3             |             |               |
| 551         | 19          | 6          | 6          |            |            | 1             |             | 127           |
| 619         | 1           | 2          | 4          | 3          | 1          | 3             | 7           | 108           |
| 224         |             | 1          | 1          | 1          |            | 1             |             |               |
| 258         |             | 2          | 1          |            |            |               |             |               |
| 1422        | 23          | 6          | 20         | 3          | 1          | 16            | 18          | 19            |
| 33          | 2           | 1          | 1          |            | 2          | 5             |             | 6             |
| 162         | 10          | 1          | 3          | 3          | 9          | 168           |             | 172           |
| 207         | 31          | 6          | 8          | 3          | 5          | 81            |             | 95            |
| 477         | 3           |            | 31         | 1          | 12         | 8             |             | 9             |
| 723         | 5           | 1          | 20         | 5          | 20         | 6             |             | 14            |
| 583         | 1           | 9          | 20         | 7          | 13         | 5             |             | 10            |
| 620         | 2           | 7          | 24         | 3          |            | 3             | 8           | 2             |
| 7           |             |            |            | 1          |            |               |             |               |
| 125         | 3           | 2          | 7          | 3          |            |               |             | 1             |
| 399         |             |            | 1          | 3          |            | 3             | 10          | 5             |
| 355         |             |            | 9          | 6          |            | 7             | 18          | 10            |
| 164         |             |            | 17         | 11         | 1          | 2             |             | 5             |
| 61          |             | 1          | 11         | 3          |            | 3             | 2           | 75            |
| 24          | 1           | 1          |            |            |            |               |             | 8             |
| 19          | 9           | 4          | 4          |            |            |               |             | 13            |
| 4           |             |            | 9          |            |            |               |             | 2             |
| 44          |             | 1          | 9          | 2          |            | 2             | 2           | 6             |
| 38          | 9           | 3          |            |            |            |               |             | 3             |
| 3           | 5           | 1          |            |            |            |               |             |               |
| 16          |             | 6          | 17         | 6          | 8          | 3             | 6           | 5             |
| 40          | 1           |            | 14         | 3          | 14         | 12            | 9           | 18            |
| 32          |             | 3          | 13         | 2          |            | 2             | 5           | 2             |
| 8           |             |            | 15         |            |            | 9             |             | 8             |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 8          | 63          | 25         | 130         | 78080               | 2749       |             | 97          | 2529         |
|            | 63          | 25         | 135         | 167146              | 5251       |             | 183         | 4766         |
|            | 63          | 25         | 140         | 7510                | 224        |             | 13          | 171          |
|            | 63          | 25         | 145         | 2440                | 68         |             | 9           | 50           |
|            | 63          | 25         | 150         | 17230               | 592        |             | 15          | 505          |
|            | 63          | 25         | 155         | 38670               | 1088       |             | 72          | 851          |
|            | 63          | 25         | 160         | 13593               | 231        |             | 20          | 160          |
|            | 63          | 25         | 165         | 9320                | 263        |             | 14          | 203          |
|            | 63          | 25         | 170         | 16494               | 347        |             | 14          | 279          |
|            | 63          | 30         | 165         | 10080               | 324        |             | 3           | 283          |
|            | 63          | 30         | 170         | 80785               | 3361       |             | 70          | 2772         |
|            | 64          | 00         | 130         | 6193                | 21         |             | 2           |              |
|            | 64          | 00         | 135         | 9102                | 42         |             | 17          |              |
|            | 64          | 00         | 140         | 16805               | 54         |             | 11          |              |
|            | 64          | 00         | 145         | 3375                | 6          |             | 4           |              |
|            | 64          | 00         | 150         | 13510               | 179        |             | 113         |              |
|            | 64          | 00         | 155         | 10140               | 191        |             | 114         |              |
|            | 64          | 00         | 160         | 73867               | 986        |             | 576         |              |
|            | 64          | 00         | 165         | 103693              | 1577       |             | 998         |              |
|            | 64          | 00         | 170         | 66693               | 1433       |             | 972         |              |
|            | 64          | 00         | 175         | 30610               | 365        |             | 231         |              |
|            | 64          | 05         | 135         | 30688               | 266        |             | 58          |              |
|            | 64          | 05         | 140         | 15948               | 112        |             | 20          |              |
|            | 64          | 05         | 150         | 33060               | 351        |             | 169         |              |
|            | 64          | 05         | 155         | 5370                | 24         |             | 5           |              |
|            | 64          | 05         | 170         | 2750                | 8          |             | 7           |              |
|            | 64          | 05         | 175         | 3276                | 45         |             | 26          |              |
|            | 64          | 10         | 090         | 7250                | 134        |             |             |              |
| 9          | 61          | 00         | 160         | 10980               | 218        |             | 138         |              |
|            | 61          | 00         | 165         | 13440               | 166        |             | 89          |              |
|            | 61          | 00         | 170         | 5430                | 31         |             | 16          |              |
|            | 61          | 00         | 175         | 4790                | 132        |             | 114         |              |

| 군다랭이<br>BET | 가다랭이<br>SKJ | 황새치<br>SWO | 녹새치<br>BUM | 청새치<br>STM | 돛새치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|-------------|------------|------------|------------|------------|---------------|-------------|---------------|
| 7           | 19          | 6          | 31         | 1          |            | 25            |             | 34            |
| 122         | 14          | 3          | 10         | 11         | 5          | 22            | 51          | 64            |
| 2           | 8           |            | 2          | 4          | 1          | 10            |             | 13            |
| 1           |             |            |            | 2          |            | 2             |             | 4             |
| 7           | 5           | 2          |            | 2          | 2          | 20            | 5           | 29            |
| 32          |             | 13         | 15         | 5          | 9          | 32            | 21          | 38            |
| 10          |             |            |            | 3          |            | 10            | 6           | 22            |
| 34          | 1           |            | 1          | 3          | 3          | 2             |             | 2             |
| 22          |             | 1          | 7          | 3          | 1          | 6             |             | 14            |
| 33          |             |            |            |            |            | 2             |             | 3             |
| 410         |             |            | 14         | 1          |            | 5             | 4           | 85            |
| 3           |             | 1          | 1          | 4          |            |               | 7           | 3             |
| 20          |             |            | 2          | 3          |            |               |             |               |
| 42          |             |            | 1          |            |            |               |             |               |
| 1           |             |            | 1          |            |            |               |             |               |
| 47          | 15          | 1          | 2          | 1          |            |               |             |               |
| 71          | 3           |            | 2          | 1          |            |               |             |               |
| 365         |             | 3          | 12         | 1          | 2          | 5             | 5           | 17            |
| 504         | 3           | 5          | 15         | 2          | 2          | 2             | 4           | 42            |
| 410         | 8           | 7          | 13         | 2          | 3          | 1             | 7           | 10            |
| 111         |             | 2          | 11         | 3          |            |               | 7           |               |
| 181         |             | 1          | 12         | 3          |            |               | 10          | 1             |
| 86          |             | 3          | 2          | 1          |            |               |             |               |
| 167         |             | 2          | 9          | 2          | 1          | 1             |             |               |
| 18          |             |            | 1          |            |            |               |             |               |
| 1           |             |            |            |            |            |               |             |               |
| 11          |             |            | 8          |            |            |               |             |               |
|             |             |            | 3          | 5          | 108        |               | 18          |               |
| 54          |             | 4          |            |            |            | 2             |             | 20            |
| 52          | 1           | 3          | 5          |            | 5          | 3             |             | 8             |
| 12          |             |            | 1          |            |            |               |             | 2             |
| 14          |             |            | 4          |            |            |               |             |               |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 9          | 61          | 05         | 175         | 3507                | 7          |             | 2           |              |
|            | 62          | 00         | 155         | 6540                | 89         |             | 58          |              |
|            | 62          | 00         | 170         | 80222               | 1639       |             | 982         | 92           |
|            | 62          | 00         | 175         | 86023               | 2404       |             | 1731        | 74           |
|            | 62          | 05         | 165         | 4852                | 146        |             | 89          | 12           |
|            | 62          | 05         | 170         | 27032               | 581        |             | 189         | 205          |
|            | 62          | 05         | 175         | 34220               | 862        |             | 373         | 225          |
|            | 62          | 10         | 155         | 27885               | 754        |             | 146         | 536          |
|            | 62          | 10         | 170         | 4400                | 83         |             | 2           | 67           |
|            | 62          | 15         | 150         | 2600                | 51         |             | 11          | 40           |
|            | 62          | 15         | 155         | 41145               | 1037       |             | 146         | 811          |
|            | 62          | 15         | 160         | 12675               | 254        |             | 22          | 201          |
|            | 62          | 15         | 170         | 2600                | 38         |             | 8           | 27           |
|            | 62          | 20         | 170         | 33335               | 850        |             | 84          | 725          |
|            | 62          | 20         | 175         | 15400               | 316        |             | 9           | 278          |
|            | 63          | 00         | 095         | 7464                | 42         |             |             |              |
|            | 63          | 00         | 110         | 4400                | 30         |             | 10          |              |
|            | 63          | 00         | 135         | 2834                | 43         |             | 2           |              |
|            | 63          | 00         | 150         | 77219               | 1613       |             | 885         | 11           |
|            | 63          | 00         | 155         | 95991               | 3462       |             | 1703        | 150          |
|            | 63          | 00         | 160         | 238301              | 8512       |             | 4534        | 449          |
|            | 63          | 00         | 165         | 220487              | 6985       |             | 4626        | 344          |
|            | 63          | 00         | 170         | 62841               | 1291       |             | 994         | 6            |
|            | 63          | 00         | 175         | 113201              | 2370       |             | 1589        | 157          |
|            | 63          | 05         | 105         | 41540               | 512        |             | 204         | 6            |
|            | 63          | 05         | 110         | 12690               | 80         |             | 13          |              |
|            | 63          | 05         | 115         | 2500                | 20         |             | 8           |              |
|            | 63          | 05         | 145         | 60646               | 1722       |             | 493         | 550          |
|            | 63          | 05         | 150         | 175204              | 4853       |             | 1532        | 1437         |
|            | 63          | 05         | 155         | 78940               | 2629       |             | 775         | 380          |
|            | 63          | 05         | 160         | 63073               | 1781       |             | 799         | 502          |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황새치<br>SWO | 녹새치<br>BUM | 청새치<br>STM | 돛새치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|-------------|------------|------------|------------|------------|---------------|-------------|---------------|
| 4           |             |            | 1          |            |            |               |             |               |
| 16          | 1           | 1          |            |            | 2          | 2             |             | 9             |
| 524         |             | 6          | 9          | 2          |            |               | 2           | 22            |
| 496         |             | 8          | 26         | 2          | 5          | 62            |             |               |
| 43          |             |            | 2          |            |            |               |             |               |
| 172         | 2           |            | 11         |            | 1          | 1             |             |               |
| 222         |             | 3          | 4          | 1          | 1          | 30            | 3           |               |
| 38          |             |            | 12         |            |            | 22            |             |               |
| 13          |             |            | 1          |            |            |               |             |               |
| 35          |             |            | 15         |            |            | 30            |             |               |
| 8           |             |            | 12         |            |            | 11            |             |               |
| 2           |             |            | 1          |            |            |               |             |               |
| 18          |             |            | 2          |            |            | 21            |             |               |
| 13          |             | 2          | 10         |            |            | 4             |             |               |
| 37          |             | 1          | 2          | 2          |            |               |             |               |
| 16          |             |            | 1          | 2          |            |               | 1           |               |
| 38          |             |            | 1          | 2          |            |               |             |               |
| 610         | 37          | 9          | 22         | 2          |            | 2             | 5           | 30            |
| 1331        | 56          | 6          | 26         | 3          | 1          | 5             | 8           | 173           |
| 3188        | 47          | 29         | 55         | 3          | 1          | 11            | 13          | 182           |
| 1886        | 13          | 19         | 50         | 3          |            | 9             | 13          | 22            |
| 267         |             | 4          | 8          |            | 1          | 1             |             | 10            |
| 586         |             | 10         | 15         | 1          |            | 1             | 8           | 3             |
| 213         | 26          | 2          | 30         | 4          |            |               | 18          | 9             |
| 53          | 4           | 1          | 7          | 2          |            |               |             |               |
| 9           |             |            |            | 3          |            |               |             |               |
| 532         | 9           | 8          | 14         | 2          | 5          | 76            | 13          | 20            |
| 1554        | 78          | 14         | 58         | 4          | 22         | 84            | 27          | 43            |
| 843         | 58          | 5          | 19         | 6          | 19         | 8             | 12          | 4             |
| 434         | 6           | 1          | 21         | 3          | 3          | 9             | 2           | 1             |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 9          | 63          | 05         | 165         | 80093               | 2290       |             | 816         | 649          |
|            | 63          | 05         | 170         | 45944               | 1171       |             | 583         | 312          |
|            | 63          | 05         | 175         | 94870               | 2814       |             | 1333        | 541          |
|            | 63          | 10         | 085         | 2520                | 15         |             | 5           |              |
|            | 63          | 10         | 090         | 5320                | 21         |             |             | 6            |
|            | 63          | 10         | 095         | 2660                | 7          |             |             |              |
|            | 63          | 10         | 110         | 2184                | 27         |             | 4           | 4            |
|            | 63          | 10         | 115         | 2191                | 20         |             | 4           | 10           |
|            | 63          | 10         | 125         | 2184                | 27         |             | 1           | 13           |
|            | 63          | 10         | 130         | 19019               | 493        |             | 51          | 343          |
|            | 63          | 10         | 135         | 2717                | 83         |             | 14          | 46           |
|            | 63          | 10         | 150         | 55109               | 1401       | 16          | 126         | 657          |
|            | 63          | 10         | 155         | 4300                | 85         |             | 6           | 42           |
|            | 63          | 10         | 160         | 2340                | 45         |             | 9           | 25           |
|            | 63          | 10         | 170         | 18544               | 265        |             | 91          | 128          |
|            | 63          | 10         | 175         | 3960                | 92         |             | 25          | 21           |
|            | 63          | 15         | 085         | 2660                | 22         |             | 7           | 2            |
|            | 63          | 20         | 160         | 9200                | 164        |             | 7           | 104          |
|            | 63          | 20         | 165         | 2100                | 27         |             | 2           | 12           |
|            | 63          | 20         | 170         | 2200                | 60         |             | 4           | 10           |
|            | 63          | 25         | 130         | 33570               | 951        |             | 128         | 792          |
|            | 63          | 25         | 135         | 26303               | 534        |             | 12          | 490          |
|            | 63          | 25         | 160         | 2400                | 67         |             | 8           | 44           |
|            | 63          | 30         | 170         | 14400               | 354        |             | 2           | 267          |
|            | 64          | 00         | 160         | 63558               | 1869       |             | 1079        | 5            |
|            | 64          | 00         | 165         | 22253               | 231        |             | 92          | 1            |
|            | 64          | 00         | 170         | 29857               | 728        |             | 426         |              |
|            | 64          | 00         | 175         | 18747               | 103        |             | 83          |              |
|            | 64          | 10         | 085         | 14540               | 585        |             |             |              |
|            | 64          | 10         | 090         | 1400                | 94         |             |             |              |



| 눈다랭이 | 가다랭이 | 황새 치 | 녹새 치 | 청새 치 | 돛새 치 | 상 어    | 기타새 치 | 기 타    |
|------|------|------|------|------|------|--------|-------|--------|
| BET  | SKJ  | SWO  | BUM  | STM  | SAI  | Sharks | OTB   | Others |
| 766  |      |      | 26   |      | 8    | 17     |       | 8      |
| 255  |      | 2    | 8    | 3    |      | 1      |       | 7      |
| 851  |      | 4    | 16   | 3    |      | 41     | 11    | 14     |
| 5    | 3    |      | 1    |      |      |        |       | 1      |
| 11   | 2    |      | 1    | 1    |      |        |       |        |
| 7    |      |      |      |      |      |        |       |        |
| 12   |      |      |      | 6    |      | 1      |       |        |
|      |      | 2    |      | 4    |      |        |       |        |
| 4    |      |      |      | 5    |      |        | 4     |        |
| 70   | 3    |      | 1    | 1    | 5    | 6      | 4     | 9      |
| 22   |      |      |      |      |      | 1      |       |        |
| 552  | 3    |      | 6    | 3    |      | 7      | 18    | 13     |
| 8    |      |      | 10   | 6    | 3    | 3      | 7     |        |
| 7    | 3    |      | 1    |      |      |        |       |        |
| 40   |      |      | 4    | 1    |      | 1      |       |        |
| 30   |      |      |      | 2    |      | 14     |       |        |
| 9    |      | 2    |      |      |      |        |       | 2      |
| 10   |      | 6    | 6    | 4    | 9    | 6      | 12    |        |
| 3    |      |      | 4    | 3    | 3    |        |       |        |
| 33   |      | 3    | 4    | 1    | 5    |        |       |        |
| 3    | 3    |      | 4    |      |      | 21     |       |        |
| 3    | 8    | 1    | 1    | 1    | 4    | 10     |       | 4      |
| 5    |      | 1    | 1    | 1    | 3    | 4      |       |        |
| 74   |      |      | 6    |      |      |        |       | 5      |
| 671  | 12   | 1    | 6    | 2    | 2    | 5      | 9     | 77     |
| 127  |      | 1    | 7    | 3    |      |        |       |        |
| 293  |      |      | 6    |      |      | 3      |       |        |
| 17   |      | 1    | 2    |      |      |        |       |        |
|      |      |      | 4    | 4    | 559  | 1      | 17    |        |
|      |      |      |      | 1    | 93   |        |       |        |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 10         | 61          | 00         | 165         | 11700               | 321        |             | 265         |              |
|            | 61          | 00         | 170         | 6142                | 51         |             | 39          |              |
|            | 61          | 00         | 175         | 9606                | 83         |             | 29          |              |
|            | 62          | 00         | 165         | 25412               | 483        |             | 361         |              |
|            | 62          | 00         | 170         | 19450               | 200        |             | 130         |              |
|            | 62          | 00         | 175         | 23870               | 577        |             | 441         | 6            |
|            | 62          | 05         | 160         | 21926               | 722        |             | 539         | 69           |
|            | 62          | 05         | 165         | 35531               | 951        |             | 724         | 40           |
|            | 62          | 05         | 170         | 73736               | 2931       |             | 2276        | 219          |
|            | 62          | 10         | 155         | 94757               | 3323       |             | 1664        | 1354         |
|            | 62          | 10         | 160         | 2085                | 33         |             |             | 29           |
|            | 62          | 10         | 170         | 2200                | 28         |             | 4           | 14           |
|            | 62          | 15         | 165         | 4400                | 77         |             | 15          | 53           |
|            | 62          | 15         | 170         | 2200                | 30         |             | 2           | 19           |
|            | 62          | 15         | 175         | 8800                | 132        |             | 58          | 44           |
|            | 62          | 20         | 175         | 8800                | 332        |             | 89          | 218          |
|            | 63          | 00         | 135         | 5276                | 110        |             | 45          | 14           |
|            | 63          | 00         | 140         | 14400               | 119        |             | 58          | 1            |
|            | 63          | 00         | 145         | 41020               | 384        |             | 166         | 1            |
|            | 63          | 00         | 150         | 109327              | 2469       |             | 1132        | 85           |
|            | 63          | 00         | 155         | 135631              | 2845       |             | 1412        | 280          |
|            | 63          | 00         | 160         | 166564              | 5405       |             | 3119        | 492          |
|            | 63          | 00         | 165         | 129326              | 3247       |             | 2245        | 150          |
|            | 63          | 00         | 170         | 138061              | 3262       |             | 2189        | 64           |
|            | 63          | 00         | 175         | 213307              | 3844       |             | 2486        | 50           |
|            | 63          | 05         | 140         | 10830               | 243        |             | 48          | 44           |
|            | 63          | 05         | 145         | 55701               | 1083       |             | 311         | 273          |
|            | 63          | 05         | 150         | 239691              | 5301       |             | 1713        | 1219         |
|            | 63          | 05         | 155         | 154859              | 4537       |             | 1843        | 1071         |
|            | 63          | 05         | 160         | 95879               | 2735       |             | 1043        | 626          |
|            | 63          | 05         | 165         | 31626               | 510        |             | 217         | 96           |

| 눈다랭이 | 가다랭이 | 황새치 | 녹새치 | 청새치 | 돛새치 | 상어     | 기타새치 | 기타     |
|------|------|-----|-----|-----|-----|--------|------|--------|
| BET  | SKJ  | SWO | BUM | STM | SAI | Sharks | OTB  | Others |
| 47   | 2    | 2   |     | 5   |     |        |      |        |
| 9    |      |     | 3   |     |     |        |      |        |
| 45   | 1    | 3   | 3   | 2   |     |        |      |        |
| 100  |      | 1   | 7   | 9   | 1   |        | 4    |        |
| 64   |      | 2   | 3   |     |     |        | 1    |        |
| 120  |      | 1   | 3   | 5   |     |        | 1    |        |
| 103  |      |     | 7   |     |     |        | 4    |        |
| 173  |      | 3   | 2   | 5   | 1   |        | 2    | 1      |
| 394  | 10   | 3   | 12  | 10  | 3   |        | 4    |        |
| 185  |      |     | 42  |     |     | 63     | 15   |        |
| 2    |      |     | 2   |     |     |        |      |        |
| 3    |      |     | 3   | 4   |     |        |      |        |
| 3    |      |     | 3   |     |     | 3      |      |        |
| 7    |      |     |     |     |     | 2      |      |        |
| 19   |      | 1   | 2   | 7   |     | 1      |      |        |
| 20   |      |     | 2   |     |     | 2      | 1    |        |
| 43   | 1    | 2   | 2   |     |     |        |      | 3      |
| 48   | 4    | 2   | 5   |     |     |        | 1    |        |
| 175  | 15   | 1   | 18  | 5   |     |        | 2    | 1      |
| 1143 | 2    | 11  | 23  | 39  |     | 10     | 3    | 21     |
| 961  | 103  | 5   | 28  | 29  | 2   | 6      | 3    | 16     |
| 1528 | 40   | 28  | 17  | 57  | 37  | 4      | 3    | 80     |
| 759  | 1    | 6   | 38  | 28  | 7   | 3      | 3    | 7      |
| 893  | 4    | 21  | 19  | 18  | 1   | 48     | 3    | 2      |
| 1166 | 6    | 9   | 31  | 47  | 1   | 41     | 4    | 3      |
| 129  | 8    |     | 6   | 6   |     | 1      | 1    |        |
| 422  | 11   | 6   | 16  | 40  |     | 1      | 3    |        |
| 2111 | 21   | 26  | 69  | 62  | 5   | 43     | 3    | 29     |
| 1268 | 186  | 11  | 48  | 43  | 20  | 12     | 13   | 22     |
| 790  | 178  | 3   | 26  | 24  | 10  | 15     | 5    | 15     |
| 172  | 1    |     |     | 11  | 8   | 5      |      |        |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No.of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|--------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                    |            |             |             |              |
| 10         | 63          | 05         | 170         | 39698              | 744        |             | 433         | 132          |
|            | 63          | 05         | 175         | 71155              | 1326       |             | 560         | 281          |
|            | 63          | 10         | 140         | 38300              | 1031       |             | 202         | 374          |
|            | 63          | 10         | 145         | 21885              | 430        |             | 46          | 186          |
|            | 63          | 10         | 150         | 2775               | 34         |             | 8           | 15           |
|            | 63          | 10         | 155         | 5224               | 144        |             | 77          | 52           |
|            | 63          | 10         | 170         | 5840               | 117        |             | 35          | 51           |
|            | 63          | 15         | 175         | 6600               | 104        |             | 15          | 47           |
|            | 63          | 20         | 170         | 2200               | 45         |             | 25          | 11           |
|            | 63          | 20         | 175         | 13200              | 241        |             | 131         | 86           |
|            | 63          | 25         | 150         | 2775               | 48         |             | 7           | 19           |
|            | 64          | 00         | 160         | 15570              | 326        | 9           | 161         |              |
|            | 64          | 00         | 165         | 55648              | 1071       | 2           | 605         | 4            |
|            | 64          | 00         | 170         | 18530              | 311        | 11          | 188         |              |
|            | 64          | 00         | 175         | 63700              | 1242       |             | 415         |              |
|            | 64          | 05         | 165         | 7620               | 75         | 2           | 39          |              |
|            | 64          | 05         | 170         | 14335              | 174        |             |             |              |
|            | 64          | 10         | 085         | 15400              | 385        |             | 2           |              |
|            | 64          | 10         | 090         | 55810              | 1616       |             |             |              |
| 11         | 61          | 00         | 155         | 3300               | 73         |             | 55          |              |
|            | 61          | 00         | 160         | 5420               | 104        |             | 94          |              |
|            | 61          | 00         | 165         | 12780              | 259        |             | 174         |              |
|            | 61          | 00         | 170         | 2880               | 53         |             | 9           |              |
|            | 61          | 00         | 175         | 28790              | 387        |             | 266         |              |
|            | 61          | 05         | 160         | 2700               | 5          |             |             |              |
|            | 61          | 05         | 170         | 2650               | 14         |             | 3           |              |
|            | 61          | 05         | 175         | 10570              | 120        |             | 55          |              |
|            | 61          | 10         | 090         | 2500               | 92         |             |             |              |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황새치<br>SWO | 녹새치<br>BUM | 청새치<br>STM | 돛새치<br>SAI | 상어<br>Sharks | 기타새치<br>OTB | 기타<br>Others |
|-------------|-------------|------------|------------|------------|------------|--------------|-------------|--------------|
| 137         |             | 4          | 10         | 24         | 1          |              | 2           | 1            |
| 452         |             | 1          | 8          | 12         | 1          | 8            | 3           |              |
| 424         | 4           |            | 2          | 8          | 3          | 12           |             | 2            |
| 187         |             |            | 4          |            | 2          | 5            |             |              |
| 10          |             |            |            |            |            | 1            |             |              |
| 13          |             |            | 1          |            |            | 1            |             |              |
| 23          |             |            | 3          | 5          |            |              |             |              |
| 12          |             | 1          | 5          | 14         |            | 9            | 1           |              |
| 7           |             |            | 1          |            |            | 1            |             |              |
| 9           |             | 3          | 8          |            |            | 2            | 2           |              |
| 22          |             |            |            |            |            |              |             |              |
| 138         |             |            | 7          | 9          |            | 1            | 1           |              |
| 417         | 3           | 3          | 22         | 10         |            |              | 5           |              |
| 75          |             |            | 4          | 30         |            | 2            | 1           |              |
| 759         | 4           | 4          | 21         | 32         |            | 2            | 5           |              |
| 31          |             | 1          |            | 2          |            |              |             |              |
|             |             |            | 2          | 14         | 158        |              |             |              |
|             |             |            | 3          | 4          | 373        | 3            |             |              |
|             |             |            | 16         | 63         | 1533       | 1            | 3           |              |
| 16          |             |            | 2          |            |            |              |             |              |
| 7           |             |            | 3          |            |            |              |             |              |
| 78          |             |            | 5          |            | 1          |              | 1           |              |
| 42          |             |            | 1          |            | 1          |              |             |              |
| 104         |             |            | 9          | 3          |            |              | 5           |              |
| 5           |             |            |            |            |            |              |             |              |
| 9           |             |            | 1          | 1          |            |              |             |              |
| 54          |             |            | 7          | 1          |            | 1            | 2           |              |
|             |             |            |            | 1          | 91         |              |             |              |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 11         | 62          | 00         | 155         | 46995               | 760        |             | 670         |              |
|            | 62          | 00         | 160         | 60390               | 1237       |             | 1037        | 3            |
|            | 62          | 00         | 165         | 35204               | 596        |             | 444         |              |
|            | 62          | 00         | 170         | 2970                | 49         |             | 35          |              |
|            | 62          | 05         | 160         | 21828               | 645        |             | 525         | 36           |
|            | 62          | 05         | 165         | 56444               | 1188       |             | 781         | 94           |
|            | 62          | 05         | 170         | 28390               | 857        |             | 519         | 149          |
|            | 62          | 10         | 155         | 1872                | 34         |             | 6           | 24           |
|            | 62          | 10         | 160         | 29601               | 1467       |             | 706         | 624          |
|            | 62          | 10         | 165         | 6644                | 220        |             | 110         | 67           |
|            | 62          | 10         | 170         | 14064               | 464        |             | 272         | 100          |
|            | 62          | 10         | 175         | 13850               | 456        |             | 264         | 140          |
|            | 63          | 00         | 145         | 136835              | 2051       |             | 376         | 9            |
|            | 63          | 00         | 150         | 157965              | 2122       |             | 663         | 26           |
|            | 63          | 00         | 155         | 92691               | 1743       |             | 770         | 35           |
|            | 63          | 00         | 160         | 61444               | 1339       |             | 687         | 47           |
|            | 63          | 00         | 165         | 10644               | 113        |             | 69          | 9            |
|            | 63          | 00         | 170         | 3850                | 76         |             | 12          | 9            |
|            | 63          | 00         | 175         | 1,595               | 175        |             | 51          | 10           |
|            | 63          | 05         | 145         | 58000               | 1808       |             | 572         | 498          |
|            | 63          | 05         | 150         | 59800               | 1335       |             | 500         | 210          |
|            | 63          | 05         | 155         | 10678               | 228        |             | 60          | 96           |
|            | 63          | 05         | 160         | 16048               | 443        |             | 148         | 74           |
|            | 63          | 05         | 165         | 30938               | 532        |             | 154         | 172          |
|            | 63          | 05         | 170         | 142475              | 2681       |             | 1079        | 781          |
|            | 63          | 05         | 175         | 47375               | 953        |             | 343         | 353          |
|            | 63          | 10         | 130         | 15900               | 433        |             | 103         | 229          |
|            | 63          | 10         | 135         | 29660               | 1055       |             | 111         | 664          |
|            | 63          | 10         | 140         | 10780               | 381        |             | 38          | 147          |
|            | 63          | 10         | 160         | 2775                | 22         |             | 5           |              |
|            | 63          | 10         | 165         | 3312                | 57         |             | 4           | 38           |
|            | 63          | 10         | 170         | 5900                | 81         |             | 2           | 49           |
|            | 63          | 10         | 175         | 7800                | 152        |             | 11          | 118          |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황새치<br>SWO | 녹새치<br>BUM | 청새치<br>STM | 돛새치<br>SAI | 상어<br>Sharks | 기타새치<br>OTB | 기타<br>Others |
|-------------|-------------|------------|------------|------------|------------|--------------|-------------|--------------|
| 64          |             |            | 18         |            |            | 1            | 7           |              |
| 161         |             | 2          | 29         | 1          |            |              | 4           |              |
| 138         |             |            | 10         | 2          |            |              | 2           |              |
| 14          |             |            |            |            |            |              |             |              |
| 76          |             |            | 6          |            |            |              | 2           |              |
| 287         |             |            | 20         | 1          | 1          |              | 4           |              |
| 172         |             |            | 9          | 3          |            | 3            | 2           |              |
| 2           |             |            | 1          |            |            | 1            |             |              |
| 69          |             |            | 29         |            |            | 36           | 3           |              |
| 40          |             |            | 3          |            |            |              |             |              |
| 79          | 3           | 2          | 4          | 3          |            | 1            |             |              |
| 35          | 7           |            | 4          | 4          | 1          | 1            |             |              |
| 1514        | 37          | 14         | 40         | 2          | 2          | 6            | 5           | 46           |
| 1332        | 8           | 17         | 51         | 10         | 3          | 5            | 6           | 1            |
| 881         | 3           | 7          | 25         | 14         | 1          | 5            | 2           |              |
| 548         |             | 11         | 24         | 9          | 6          | 2            | 3           | 2            |
| 34          |             | 1          |            |            |            |              |             |              |
| 28          |             |            |            | 2          |            | 25           |             |              |
| 92          |             | 2          | 2          | 2          |            | 16           |             |              |
| 707         |             | 8          |            | 19         |            | 4            |             |              |
| 590         |             | 10         | 4          | 11         |            | 9            | 1           |              |
| 63          | 3           |            | 1          | 2          |            | 1            |             | 2            |
| 169         | 39          |            | 8          | 2          |            | 1            | 2           |              |
| 169         | 23          | 2          | 6          | 3          |            | 3            |             |              |
| 764         |             | 4          | 21         | 18         | 2          | 6            | 5           | 1            |
| 215         |             | 1          | 8          | 1          | 1          | 26           | 5           |              |
| 89          |             | 2          |            | 2          |            | 8            |             |              |
| 267         |             | 1          | 4          |            |            | 5            |             | 3            |
| 192         |             |            | 3          | 1          |            |              |             |              |
| 11          | 2           |            |            | 2          | 2          |              |             |              |
| 15          |             |            |            |            |            |              |             |              |
| 15          |             | 2          |            | 3          |            | 10           |             |              |
| 13          |             |            |            | 2          |            | 8            |             |              |



| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개 다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|---------------|
|            | 상위<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |               |
| 11         | 63          | 15         | 125         | 19120               | 738        |             | 33          | 560           |
|            | 63          | 15         | 130         | 59870               | 1513       |             | 80          | 1266          |
|            | 63          | 15         | 175         | 11000               | 242        |             | 4           | 223           |
|            | 63          | 20         | 120         | 8165                | 203        |             | 9           | 154           |
|            | 63          | 20         | 125         | 10500               | 389        |             | 4           | 314           |
|            | 63          | 20         | 175         | 48400               | 1192       |             | 47          | 1032          |
|            | 64          | 30         | 145         | 6372                | 40         |             | 16          |               |
|            | 64          | 00         | 150         | 64976               | 1260       |             | 756         |               |
|            | 64          | 00         | 155         | 9480                | 149        |             | 37          |               |
|            | 64          | 00         | 160         | 118320              | 2260       |             | 1025        |               |
|            | 64          | 00         | 165         | 153255              | 3578       |             | 1586        | 3             |
|            | 64          | 00         | 170         | 95062               | 2230       |             | 960         | 2             |
|            | 64          | 00         | 175         | 15680               | 244        |             | 121         |               |
|            | 64          | 05         | 160         | 18270               | 297        |             | 116         |               |
|            | 64          | 05         | 175         | 3100                | 37         |             | 29          |               |
|            | 64          | 10         | 190         | 71510               | 2728       |             |             |               |
|            | 64          | 10         | 165         | 3060                | 34         |             | 3           | 7             |
| 12         | 61          | 30         | 160         | 19469               | 520        |             | 438         | 9             |
|            | 61          | 00         | 165         | 2900                | 21         |             | 9           | 3             |
|            | 61          | 00         | 170         | 2990                | 60         |             | 22          |               |
|            | 61          | 00         | 175         | 10800               | 130        |             | 60          |               |
|            | 61          | 10         | 170         | 5600                | 160        |             | 122         | 23            |
|            | 62          | 30         | 165         | 9750                | 305        |             | 255         | 4             |
|            | 62          | 00         | 170         | 58890               | 2575       |             | 2207        | 25            |
|            | 62          | 00         | 175         | 1870                | 88         |             | 48          | 36            |
|            | 62          | 05         | 170         | 39400               | 1392       |             | 846         | 259           |
|            | 62          | 05         | 175         | 35100               | 1455       |             | 725         | 525           |
|            | 62          | 10         | 160         | 2300                | 183        |             | 50          | 105           |
|            | 62          | 10         | 165         | 9200                | 315        |             | 139         | 143           |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황 새 치<br>SWO | 녹 새 치<br>BUM | 청 새 치<br>STM | 돛 새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|-------------|--------------|--------------|--------------|--------------|---------------|-------------|---------------|
| 125         |             |              | 3            | 2            |              | 13            |             | 2             |
| 100         |             | 4            | 23           | 3            |              | 28            | 5           | 4             |
| 4           |             | 1            | 8            |              |              |               | 2           |               |
| 33          |             |              | 2            | 2            |              | 3             |             |               |
| 57          |             | 1            |              | 2            |              | 11            |             |               |
| 18          |             | 4            | 61           |              |              | 24            | 6           |               |
| 18          |             | 2            | 2            |              |              | 2             |             |               |
| 441         |             | 11           | 23           | 6            | 3            | 18            | 2           |               |
| 108         |             | 1            | 3            |              |              | 2             |             |               |
| 1190        |             | 2            | 26           | 6            | 1            | 3             | 5           | 2             |
| 1917        |             | 9            | 36           | 4            | 3            | 6             | 4           | 10            |
| 1169        |             | 3            | 15           | 3            | 1            | 2             | 5           | 70            |
| 106         |             | 2            | 5            | 2            | 3            |               | 1           | 4             |
| 169         |             |              | 8            | 2            |              |               | 2           |               |
| 6           |             |              |              |              |              |               |             | 2             |
|             |             | 2            | 2            | 9            | 2711         | 3             | 1           |               |
| 19          |             |              | 3            | 2            |              |               |             |               |
| 56          |             |              | 6            |              |              | 1             | 4           | 6             |
| 9           |             |              |              |              |              |               |             |               |
| 37          |             |              |              | 1            |              |               |             |               |
| 64          |             | 1            | 2            |              |              |               | 2           | 1             |
| 7           |             | 1            |              | 4            | 3            |               |             |               |
| 43          |             |              | 3            |              |              |               |             |               |
| 312         |             | 18           | 5            | 2            |              | 1             | 5           |               |
| 4           |             |              |              |              |              |               |             |               |
| 256         |             |              | 13           |              | 3            |               | 15          |               |
| 190         |             |              |              | 14           |              | 1             |             |               |
| 23          |             |              | 2            |              |              | 2             |             | 1             |
| 19          |             |              | 2            |              |              | 3             | 2           | 7             |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|--------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |              |
| 11         | 62          | 10         | 170         | 80150               | 2614       |             | 1847        | 441          |
|            | 62          | 10         | 175         | 82802               | 2404       |             | 1318        | 735          |
|            | 62          | 15         | 170         | 16600               | 624        |             | 497         | 88           |
|            | 62          | 15         | 175         | 30887               | 788        |             | 414         | 326          |
|            | 62          | 20         | 175         | 2346                | 46         |             | 5           | 33           |
|            | 63          | 00         | 145         | 3375                | 20         |             | 7           |              |
|            | 63          | 00         | 150         | 15752               | 205        |             | 63          | 6            |
| 12         | 63          | 00         | 155         | 86329               | 1235       |             | 630         | 23           |
|            | 63          | 00         | 160         | 161849              | 3023       |             | 1424        | 82           |
|            | 63          | 00         | 165         | 149486              | 3150       |             | 1776        | 13           |
|            | 63          | 00         | 170         | 28500               | 422        |             | 245         | 1            |
|            | 63          | 00         | 175         | 5791                | 94         |             | 54          | 2            |
|            | 63          | 05         | 145         | 32150               | 845        |             | 355         | 85           |
|            | 63          | 05         | 150         | 57705               | 1570       |             | 627         | 177          |
|            | 63          | 05         | 155         | 32400               | 609        |             | 370         | 46           |
|            | 63          | 05         | 160         | 6650                | 85         |             | 40          | 8            |
|            | 63          | 05         | 165         | 7835                | 87         |             | 41          | 10           |
|            | 63          | 05         | 170         | 7215                | 108        |             | 37          | 38           |
|            | 63          | 05         | 175         | 11464               | 374        |             | 140         | 170          |
|            | 63          | 15         | 165         | 3186                | 32         |             |             | 28           |
|            | 63          | 15         | 170         | 18476               | 307        |             | 16          | 255          |
|            | 63          | 10         | 175         | 21582               | 432        |             | 98          | 256          |
|            | 63          | 15         | 110         | 63578               | 2163       |             | 11          | 1969         |
|            | 63          | 15         | 115         | 35110               | 1070       |             | 22          | 940          |
|            | 63          | 15         | 120         | 34972               | 1119       |             | 40          | 924          |
|            | 63          | 15         | 125         | 13394               | 250        |             | 40          | 174          |
|            | 63          | 15         | 170         | 15120               | 258        |             | 23          | 210          |
|            | 63          | 15         | 175         | 8800                | 184        |             | 42          | 116          |
|            | 63          | 20         | 110         | 2700                | 66         |             |             | 58           |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황 새 치<br>SWO | 녹 새 치<br>BUM | 청 새 치<br>STM | 돛 새 치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|-------------|--------------|--------------|--------------|--------------|---------------|-------------|---------------|
| 237         | 4           | 2            | 24           | 10           | 17           | 3             | 21          | 8             |
| 266         | 20          | 13           | 18           | 7            | 6            | 2             | 18          | 1             |
| 20          |             |              | 10           |              |              |               | 7           | 2             |
| 21          |             |              | 15           |              |              |               | 12          |               |
| 4           |             |              | 2            |              |              |               | 2           |               |
| 13          |             |              |              |              |              |               |             |               |
| 122         |             | 3            | 5            | 1            |              |               | 5           |               |
| 524         | 11          | 10           | 16           | 3            |              |               | 16          | 2             |
| 1363        | 38          | 32           | 32           | 7            | 4            | 1             | 33          | 7             |
| 1297        |             | 23           | 14           | 7            |              | 2             | 13          | 5             |
| 169         |             | 1            | 2            | 4            |              |               |             |               |
| 35          |             |              | 3            |              |              |               |             |               |
| 381         | 7           |              | 6            | 2            |              |               | 9           |               |
| 727         | 6           | 7            | 10           | 3            |              | 1             | 12          |               |
| 166         |             |              | 13           | 3            |              | 1             | 10          |               |
| 23          | 5           | 1            | 5            |              |              |               | 3           |               |
| 32          |             | 1            | 3            |              |              |               |             |               |
| 29          |             | 3            | 1            |              |              |               |             |               |
| 53          |             |              | 6            |              |              | 1             | 4           |               |
| 3           |             |              |              | 1            |              |               |             |               |
| 15          |             | 2            | 2            | 3            |              | 5             | 1           | 8             |
| 48          |             | 2            | 2            | 2            |              | 6             | 1           | 17            |
| 68          | 15          | 2            | 27           | 3            | 18           | 10            | 27          | 13            |
| 25          | 8           | 8            | 15           |              |              | 6             | 14          | 32            |
| 84          | 5           | 7            | 25           | 2            | 8            | 2             | 20          | 2             |
| 26          |             |              | 2            |              |              | 3             | 2           | 3             |
| 9           |             |              | 5            | 2            |              | 6             | 3           |               |
| 24          |             |              | 2            |              |              |               |             |               |
| 4           |             |              | 4            |              |              |               |             |               |

| 월<br>Month | 해역<br>Area  |            |             | 낚시수<br>No. of hooks | 계<br>Total | 참다랭이<br>BFT | 황다랭이<br>YFT | 날개 다랭이<br>ALB |
|------------|-------------|------------|-------------|---------------------|------------|-------------|-------------|---------------|
|            | 상한<br>Quad. | 위도<br>Lat. | 경도<br>Long. |                     |            |             |             |               |
| 12         | 63          | 20         | 115         | 65195               | 1989       |             | 98          | 1673          |
|            | 63          | 20         | 120         | 181697              | 5493       |             | 296         | 4417          |
|            | 63          | 20         | 125         | 5400                | 219        |             | 10          | 182           |
|            | 63          | 20         | 160         | 8004                | 22         |             | 6           |               |
|            | 63          | 20         | 170         | 6600                | 109        |             | 16          | 78            |
|            | 63          | 20         | 175         | 9800                | 179        |             | 7           | 140           |
|            | 64          | 00         | 105         | 2868                | 13         |             | 8           |               |
|            | 64          | 00         | 155         | 17745               | 169        |             | 70          |               |
|            | 64          | 00         | 160         | 39845               | 772        |             | 398         |               |
|            | 64          | 00         | 165         | 114967              | 1921       |             | 1082        | 3             |
|            | 64          | 00         | 170         | 262929              | 5020       |             | 2085        | 3             |
|            | 64          | 00         | 175         | 32600               | 682        |             | 449         |               |
|            | 64          | 05         | 075         | 4825                | 64         |             |             |               |
|            | 64          | 05         | 080         | 34615               | 1460       |             | 23          |               |
|            | 64          | 05         | 155         | 5720                | 51         |             | 19          |               |
|            | 64          | 05         | 160         | 14950               | 287        |             | 139         |               |
|            | 64          | 05         | 165         | 2795                | 21         |             | 6           |               |
|            | 64          | 05         | 175         | 2990                | 52         |             | 8           |               |
|            | 64          | 10         | 090         | 22770               | 655        |             | 1           |               |

| 눈다랭이<br>BET | 가다랭이<br>SKJ | 황새치<br>SWC | 녹새치<br>BUM | 청새치<br>STM | 돛새치<br>SAI | 상 어<br>Sharks | 기타새치<br>OTB | 기 타<br>Others |
|-------------|-------------|------------|------------|------------|------------|---------------|-------------|---------------|
| 131         | 1           | 8          | 13         | 4          |            | 11            | 12          | 38            |
| 439         | 3           | 29         | 38         | 12         | 15         | 48            | 37          | 159           |
| 15          |             | 2          | 3          |            |            | 3             | 2           | 2             |
| 14          |             |            | 2          |            |            |               |             |               |
| 3           |             | 1          | 7          |            |            | 1             | 3           |               |
| 4           |             | 4          | 13         |            |            | 1             | 10          |               |
| 4           |             |            |            | 1          |            |               |             |               |
| 93          |             | 1          | 3          |            |            | 1             | 1           |               |
| 335         | 18          | 1          | 5          | 3          | 1          | 3             | 2           | 6             |
| 765         |             | 4          | 9          | 4          |            | 3             | 8           | 43            |
| 2762        |             | 7          | 30         | 5          | 2          | 4             | 26          | 96            |
| 223         |             | 1          | 5          | 2          |            |               | 2           |               |
|             |             |            |            | 2          | 61         | 1             |             |               |
|             |             | 4          | 3          | 6          | 1421       | 1             | 2           |               |
| 29          |             | 1          | 1          | 1          |            |               |             |               |
| 139         |             | 1          | 5          | 2          |            |               | 1           |               |
| 15          |             |            |            |            |            |               |             |               |
| 43          |             | 1          |            |            |            |               |             |               |
|             |             |            | 3          | 13         | 637        |               | 1           |               |

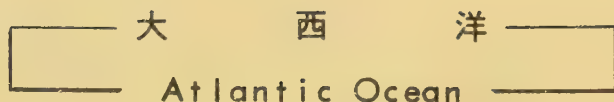


V. 大洋別 魚種別 漁場 分布圖

Geographical distribution  
of hook rate and fishing  
effort by species and by  
sub-area







1. 全魚種의 分期別 月別 釣獲率 및 努力量 分布圖

Distribution of hook rate and fishing effort of all species by month and by quarter

2. 魚種別 分期別 月別 釣獲率 및 努力量 分布圖

날개다랭이, 황다랭이, 눈다랭이\*

Distribution of hook rate and fishing effort by species by month and by quarter

Albacore, Yellowfin, Bigeye



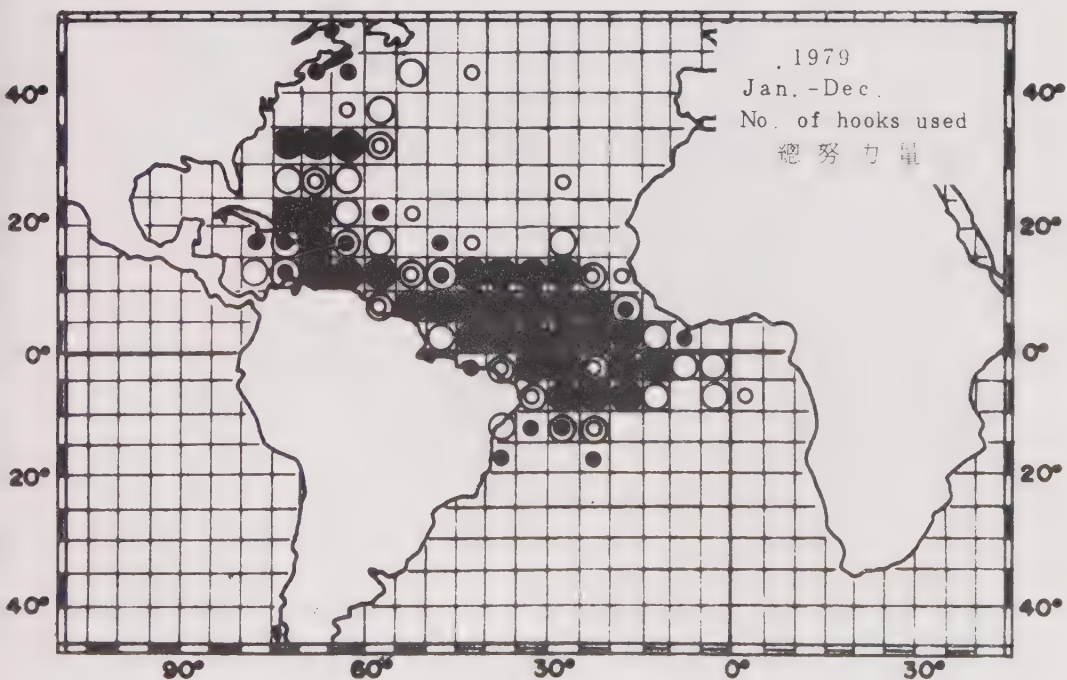
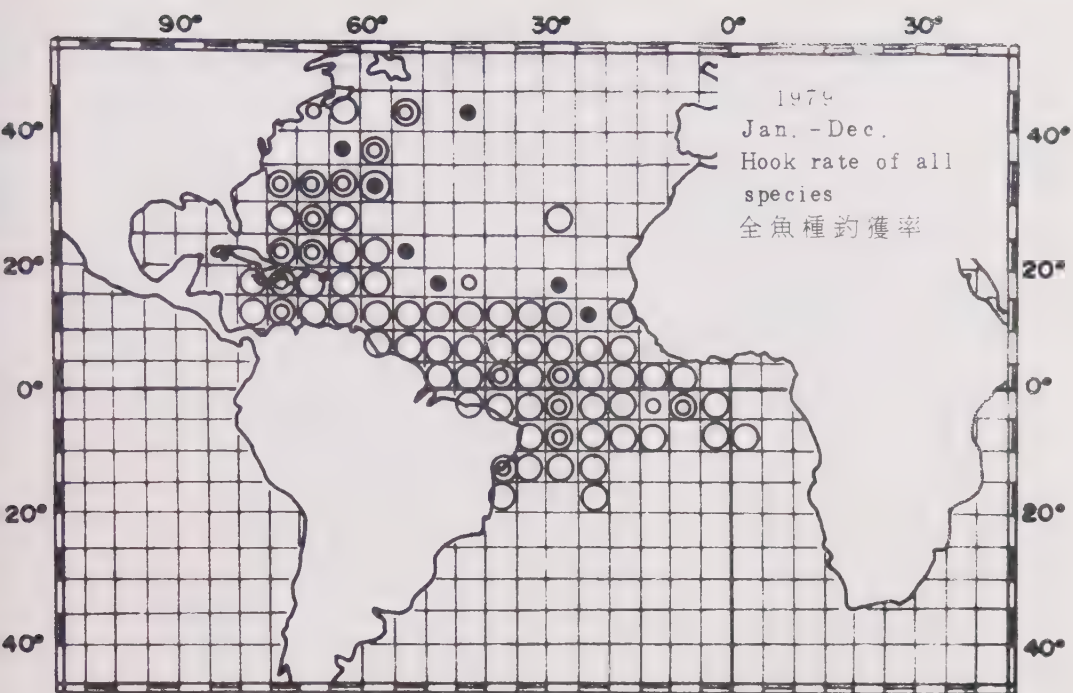
全 魚 種

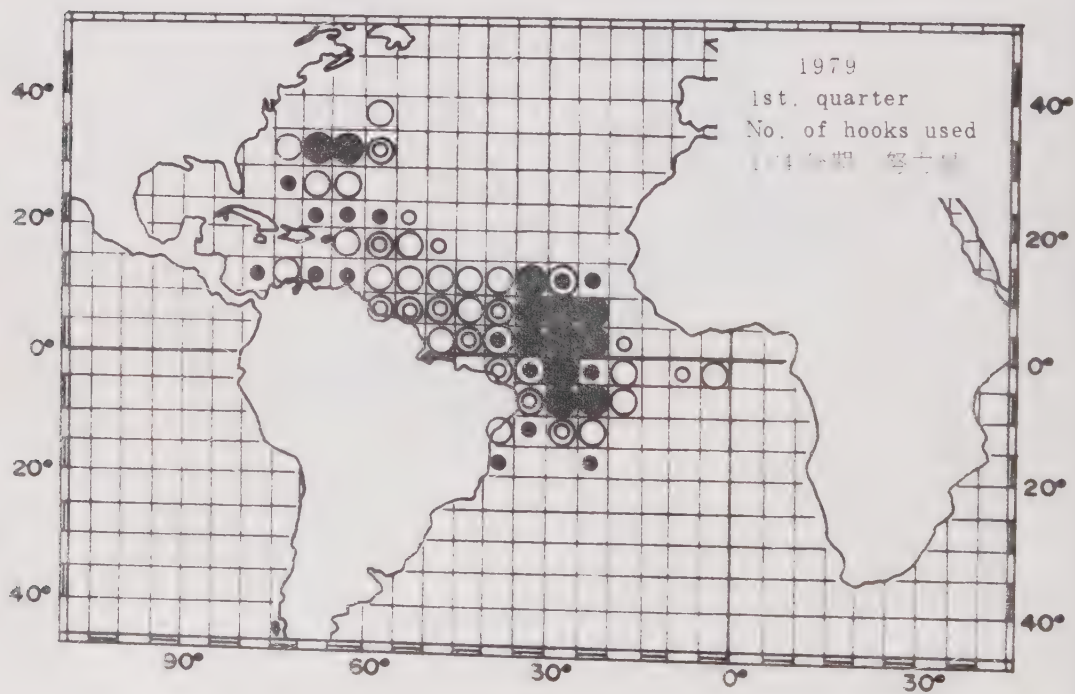
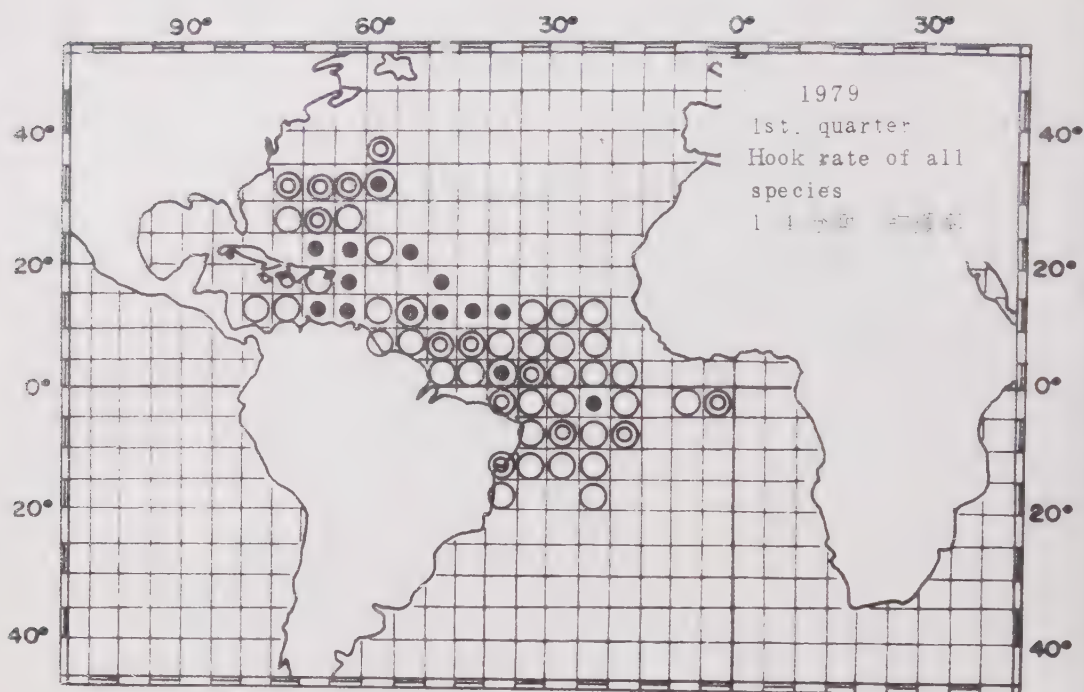
分期別 月別 釣獲率 及 漁獲努力 分布圖

All species

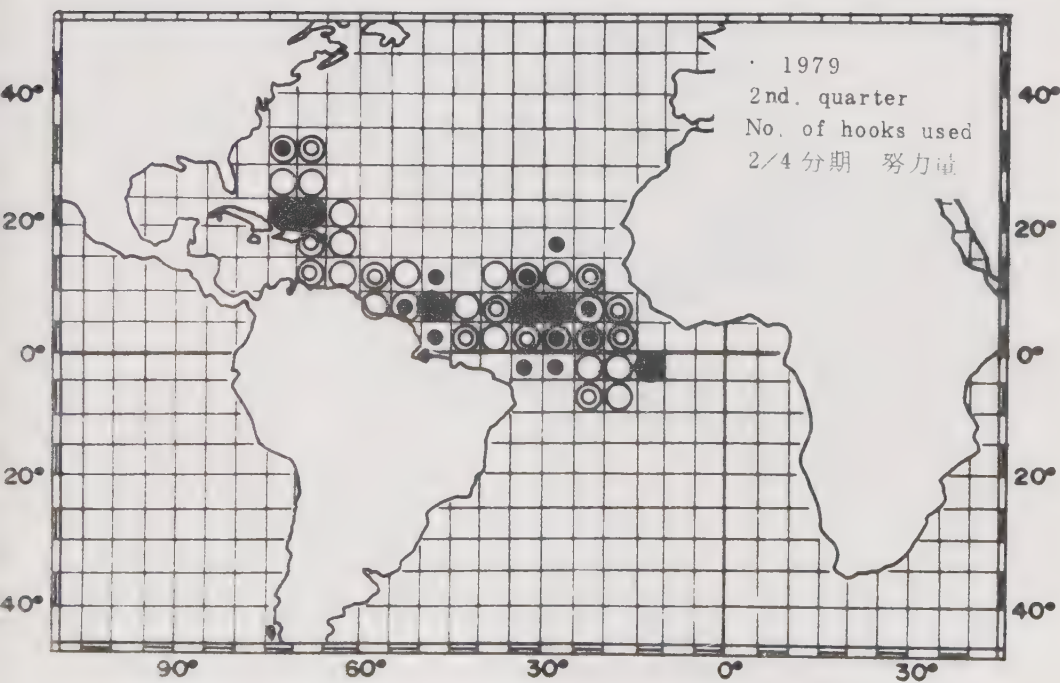
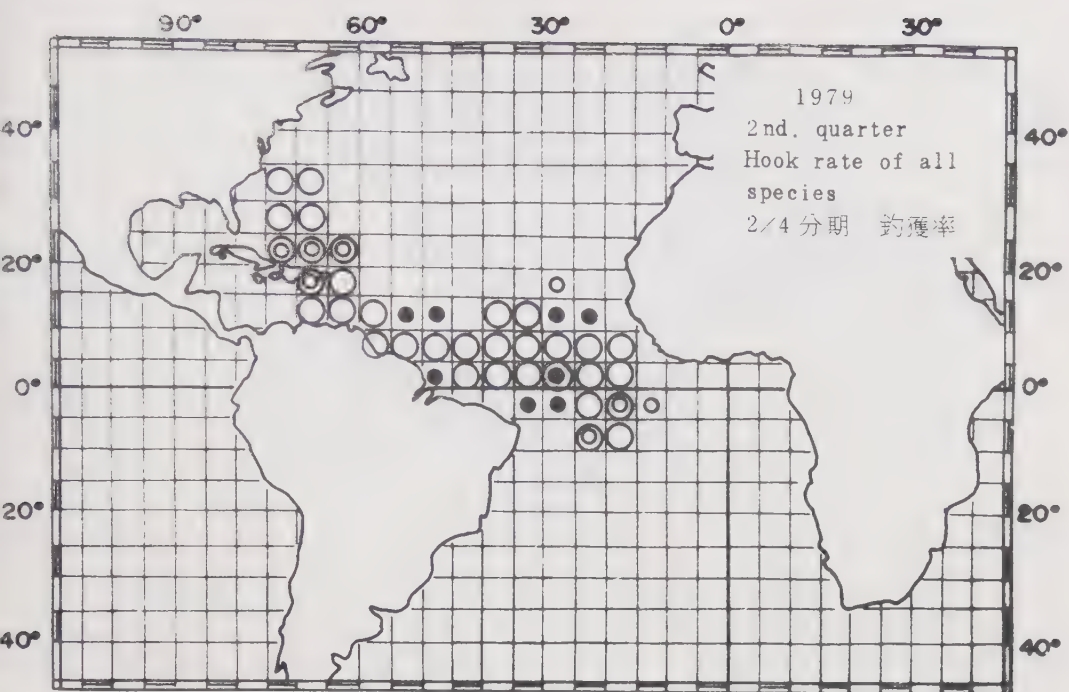
Hook rate and fishing effort by month  
and by quarter



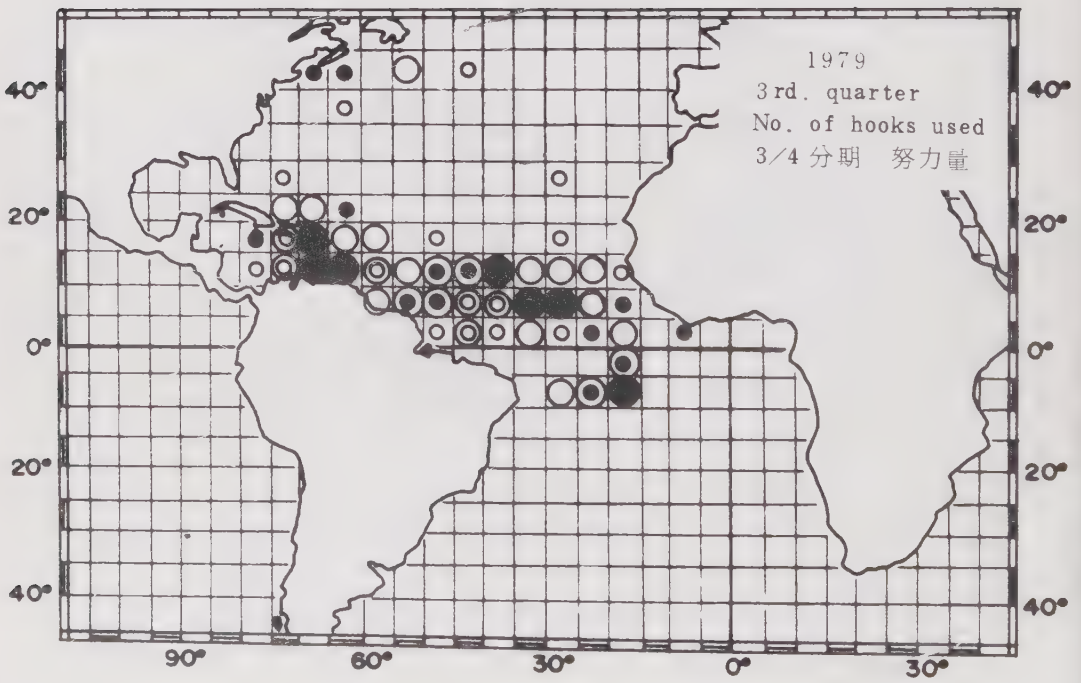
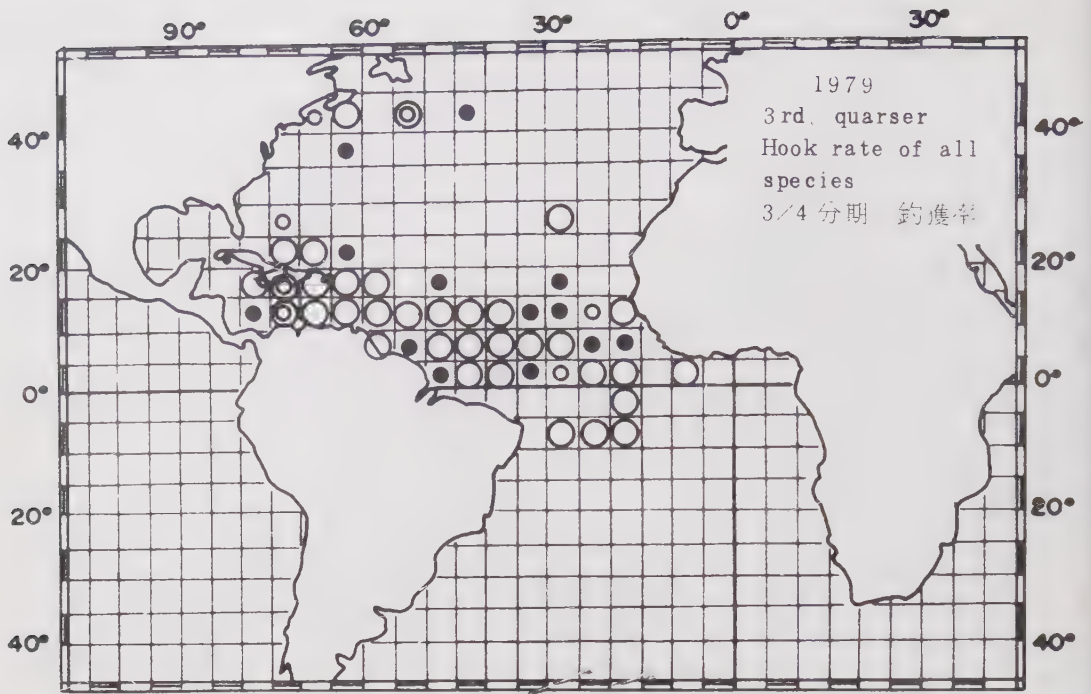


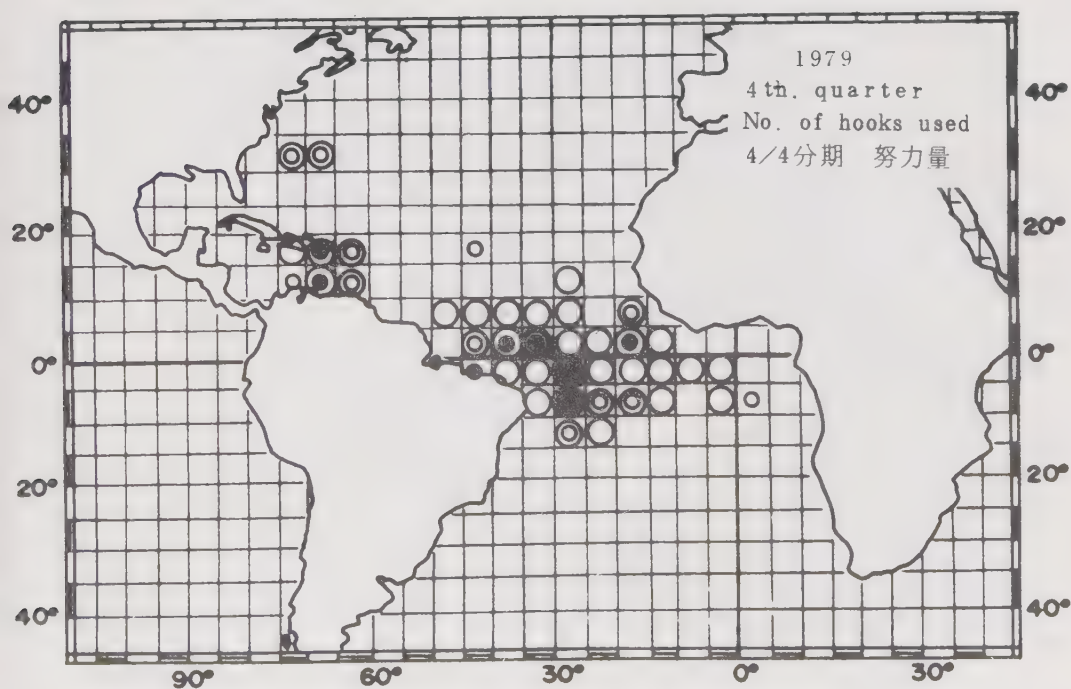
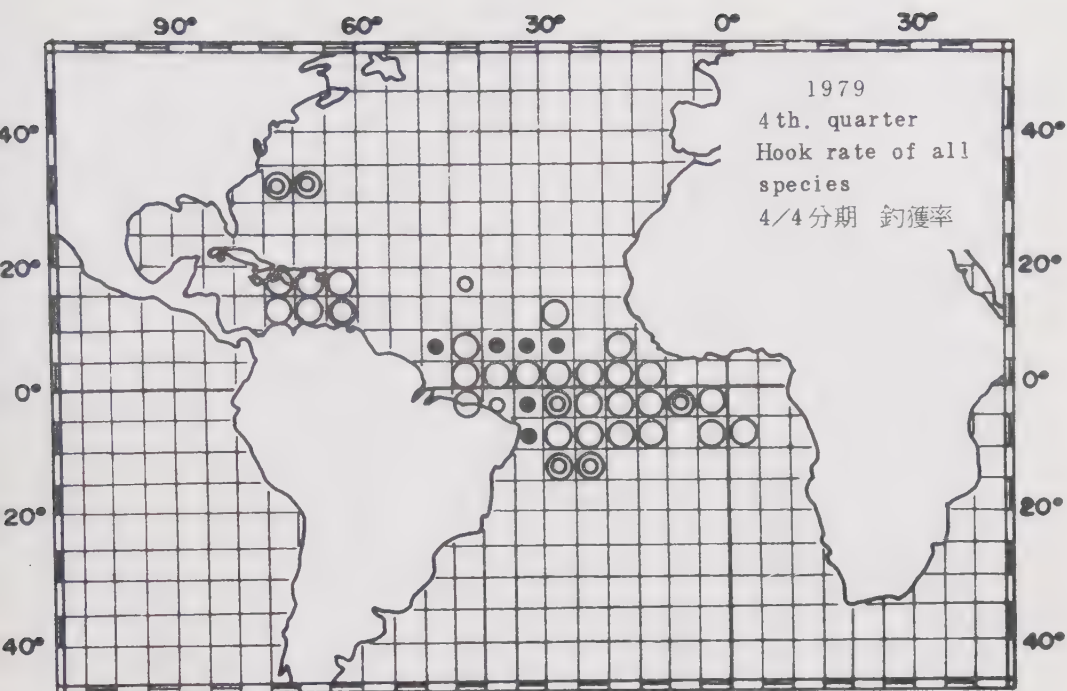


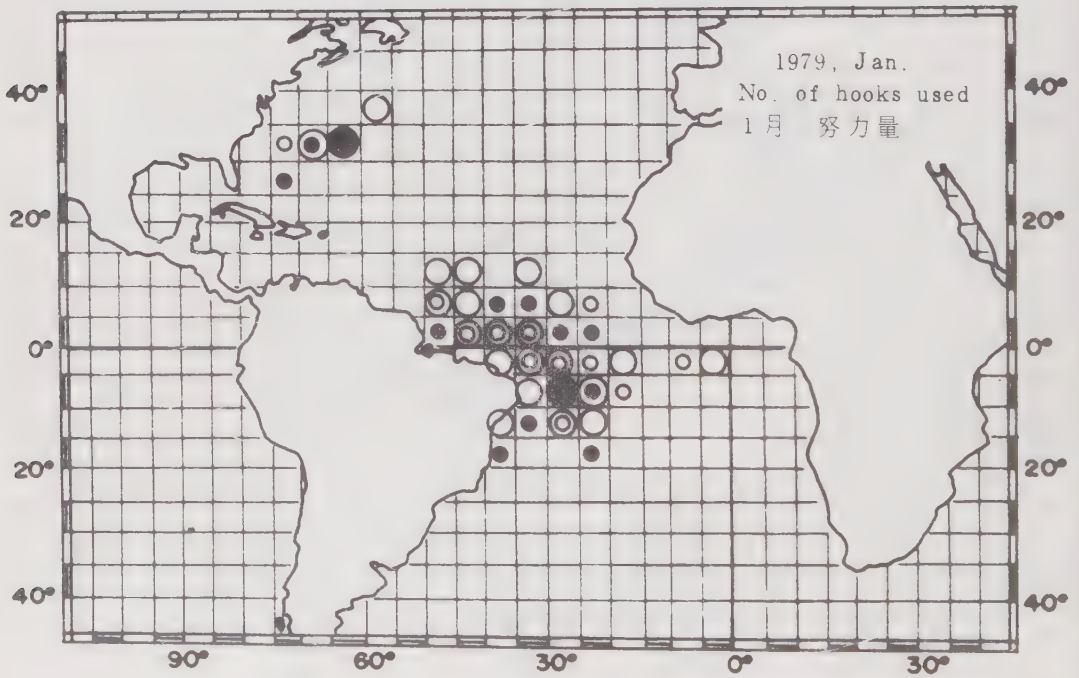
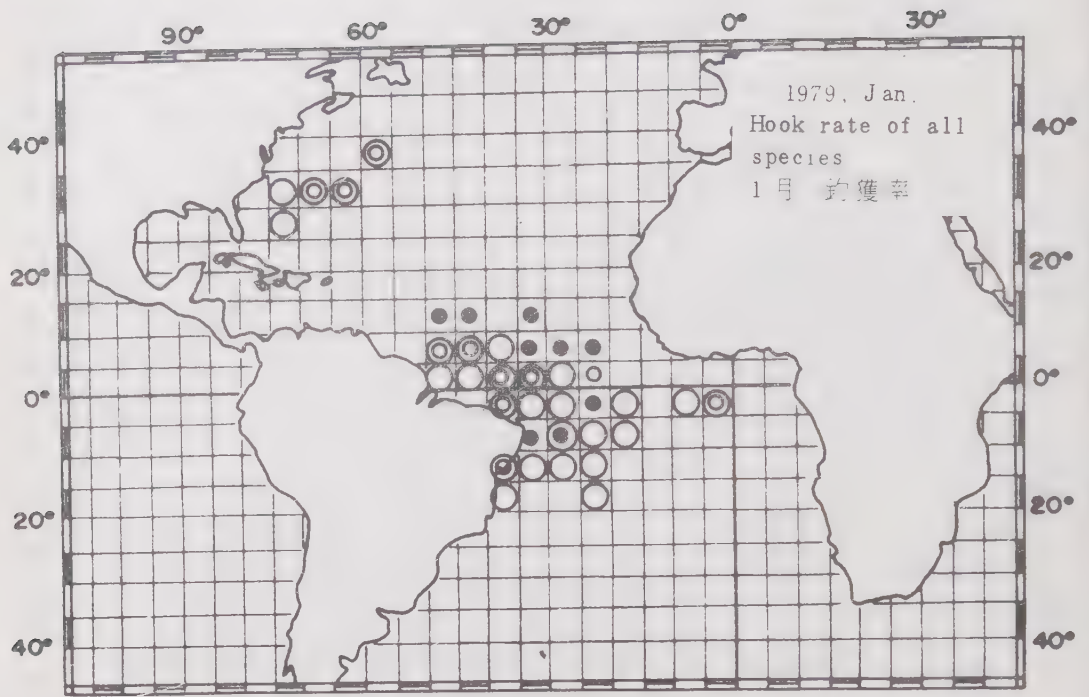


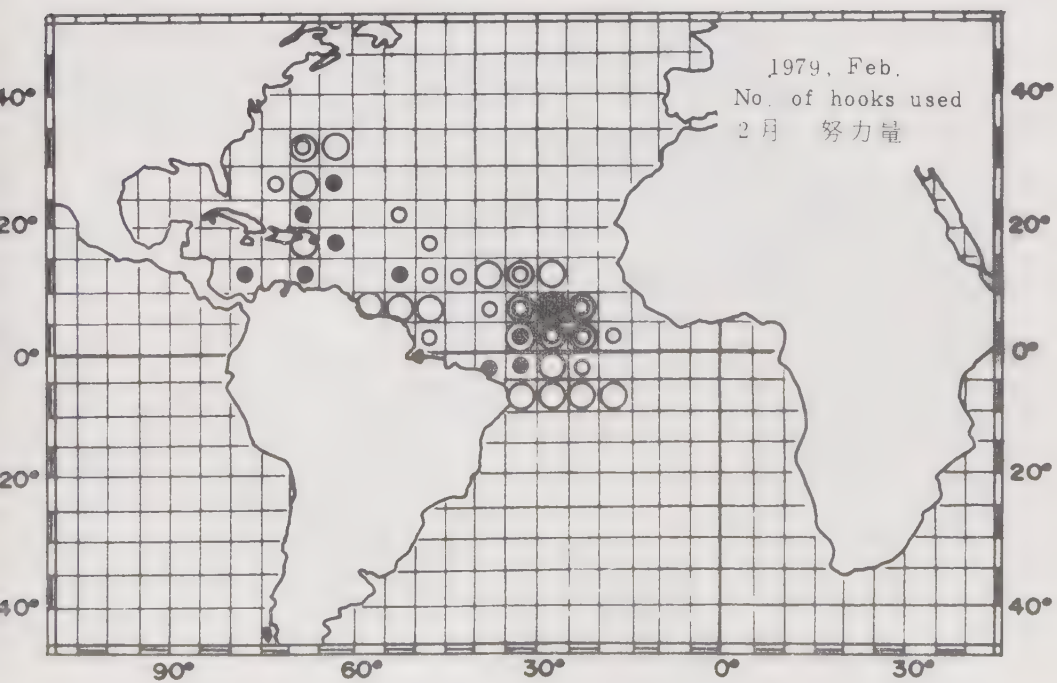
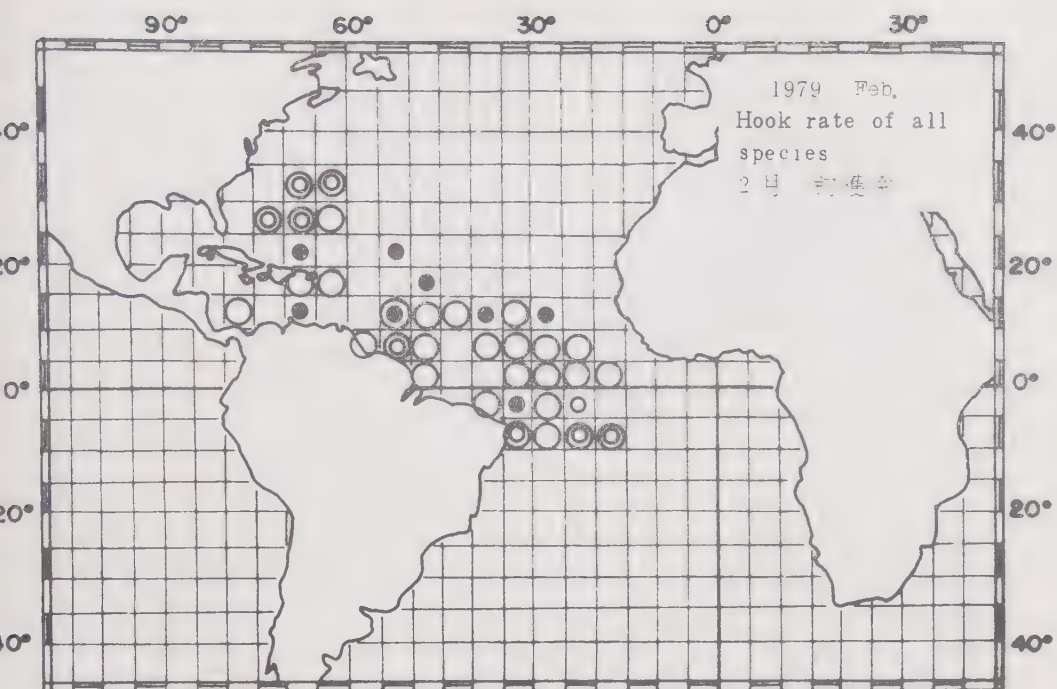




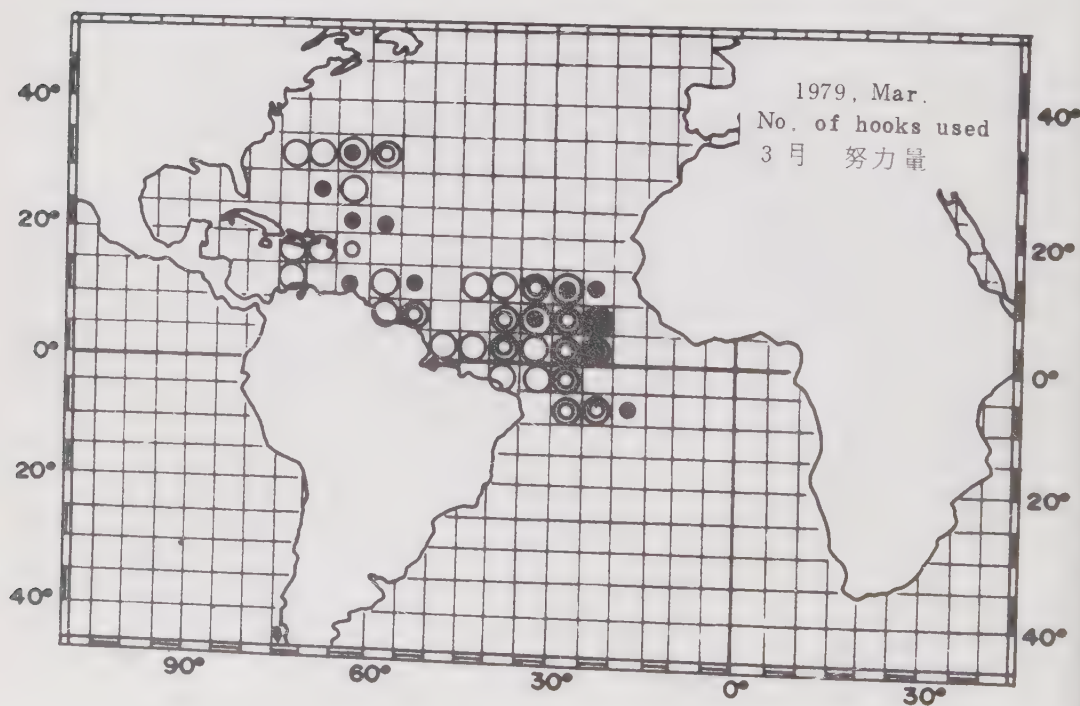
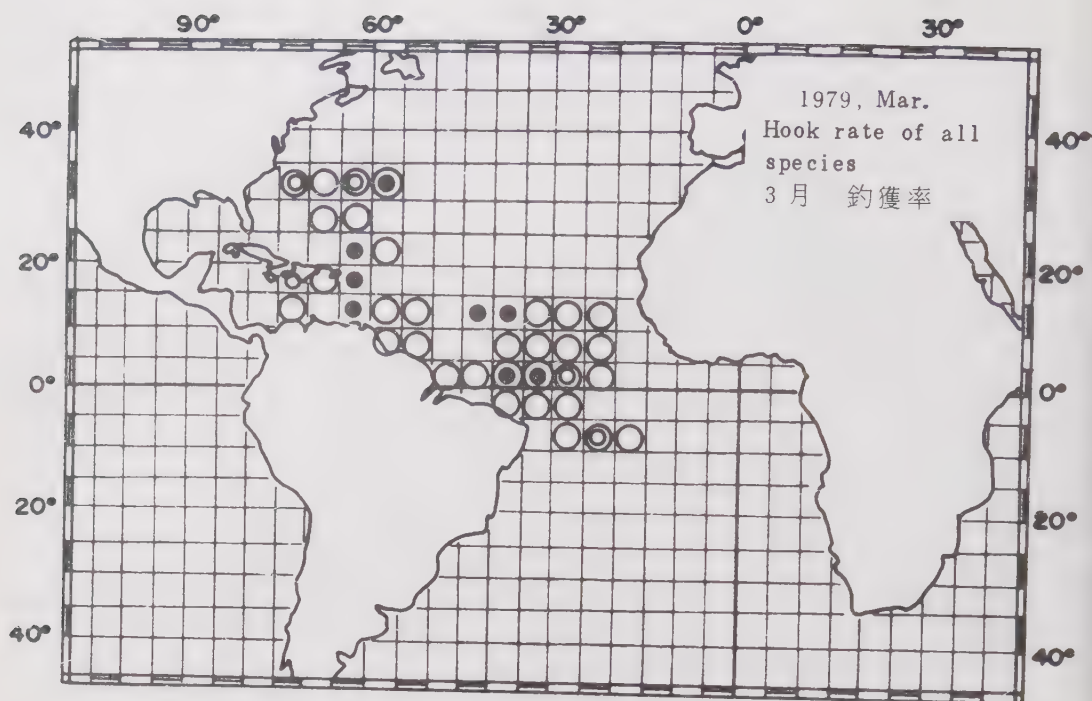


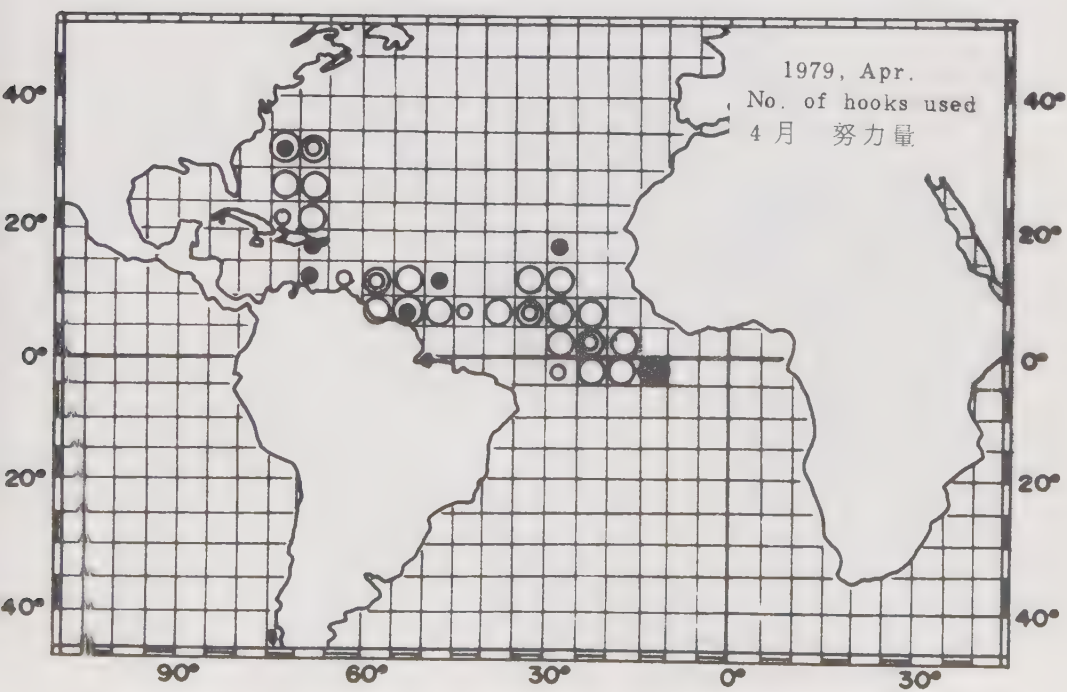
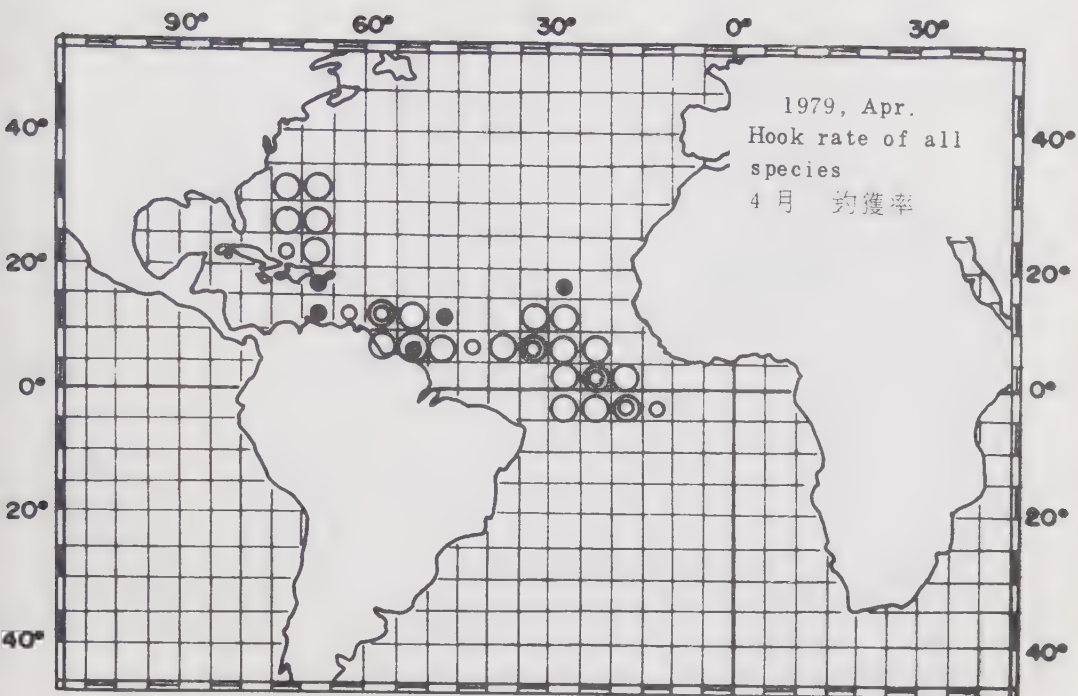


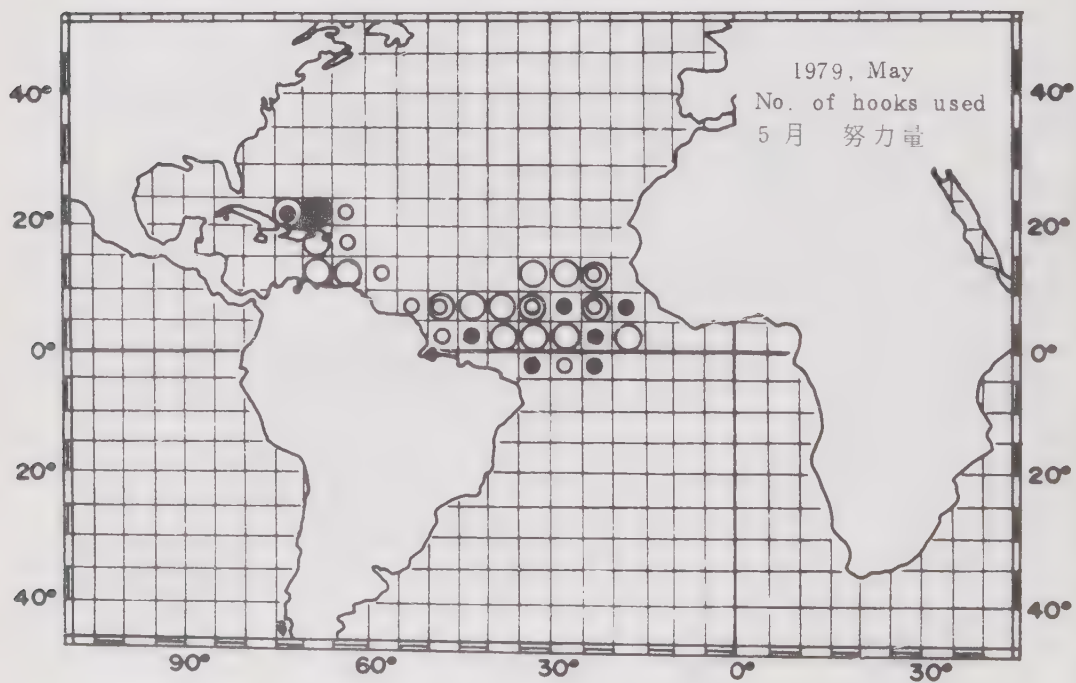
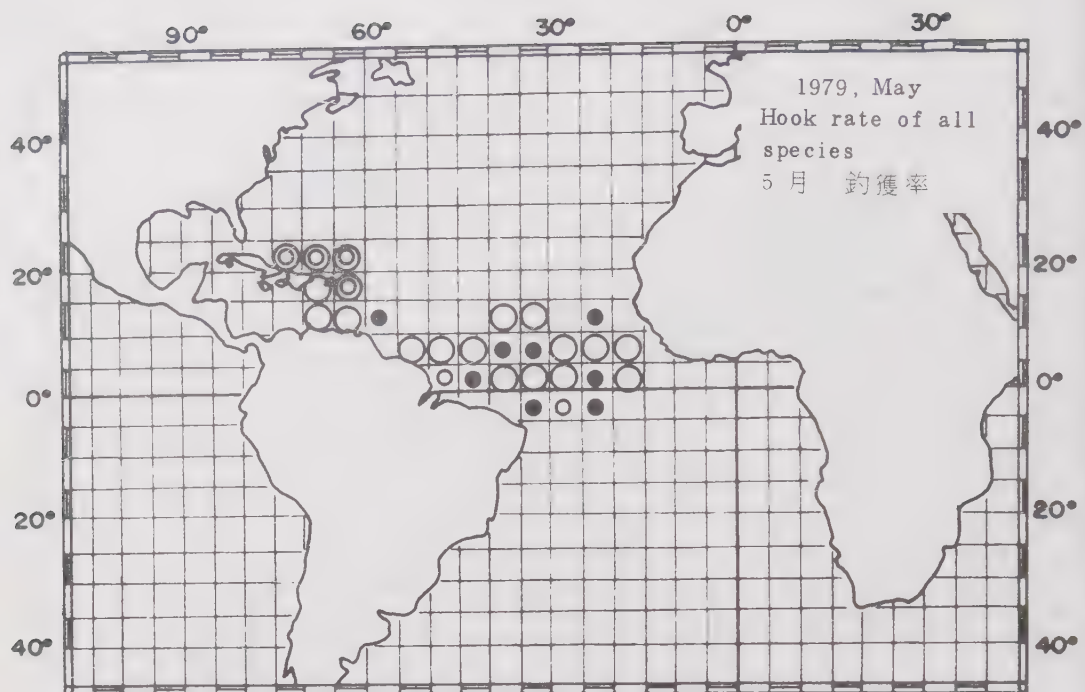


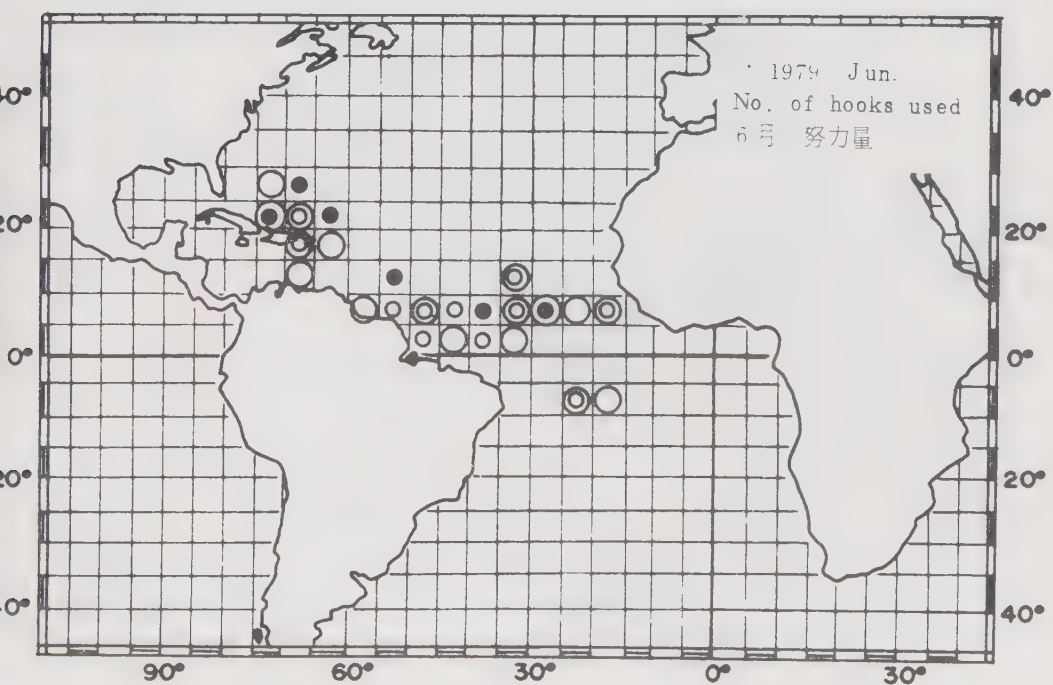
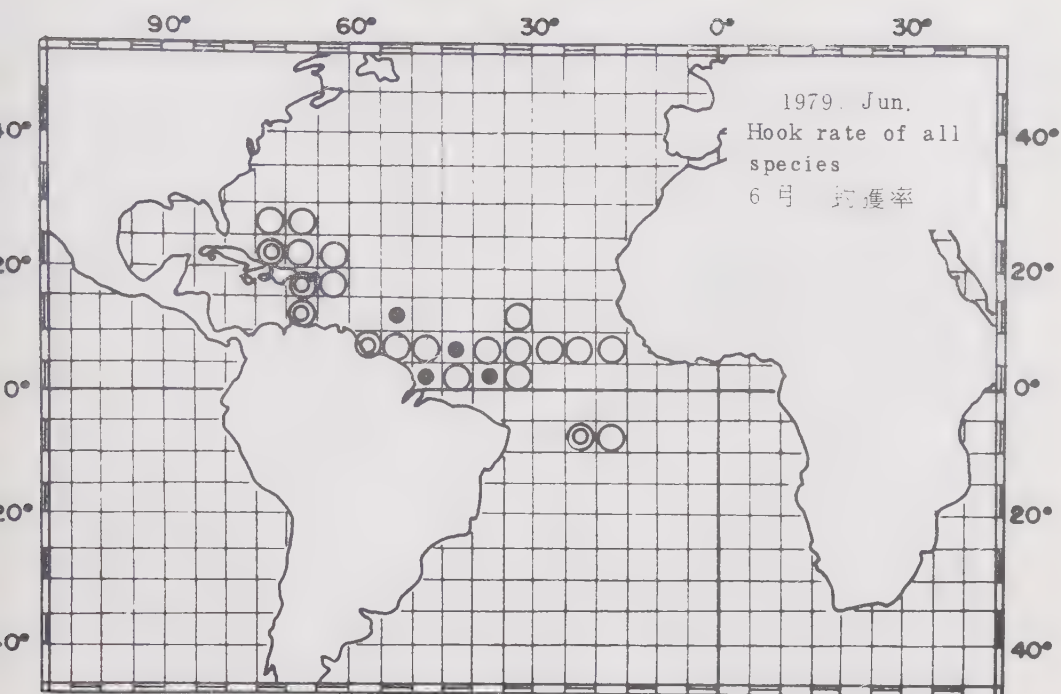




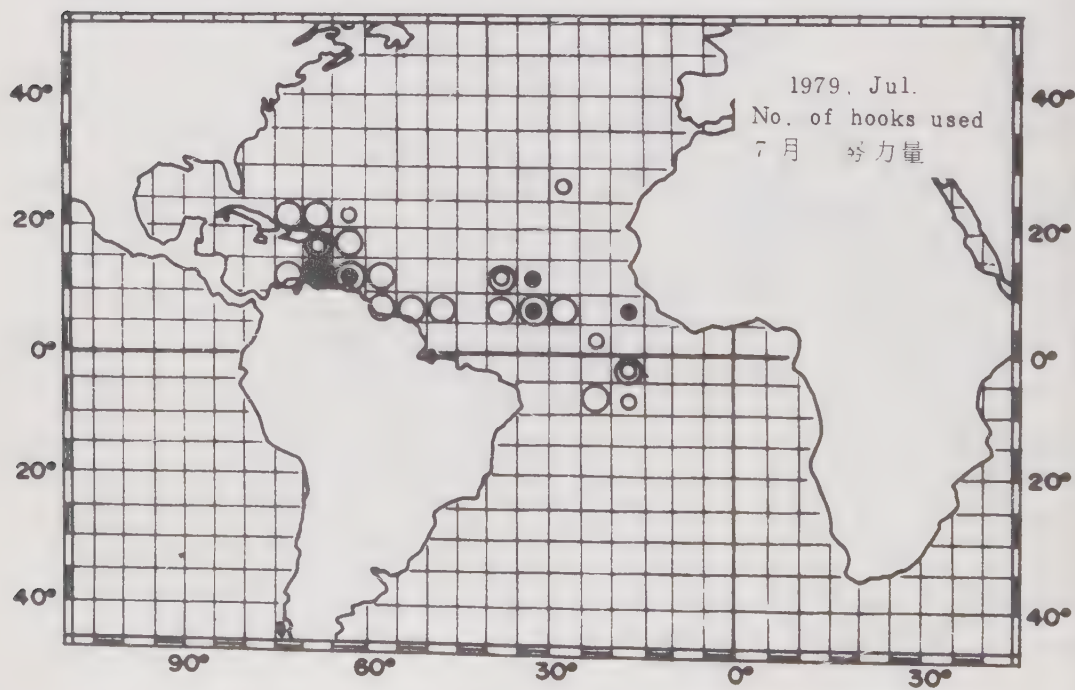
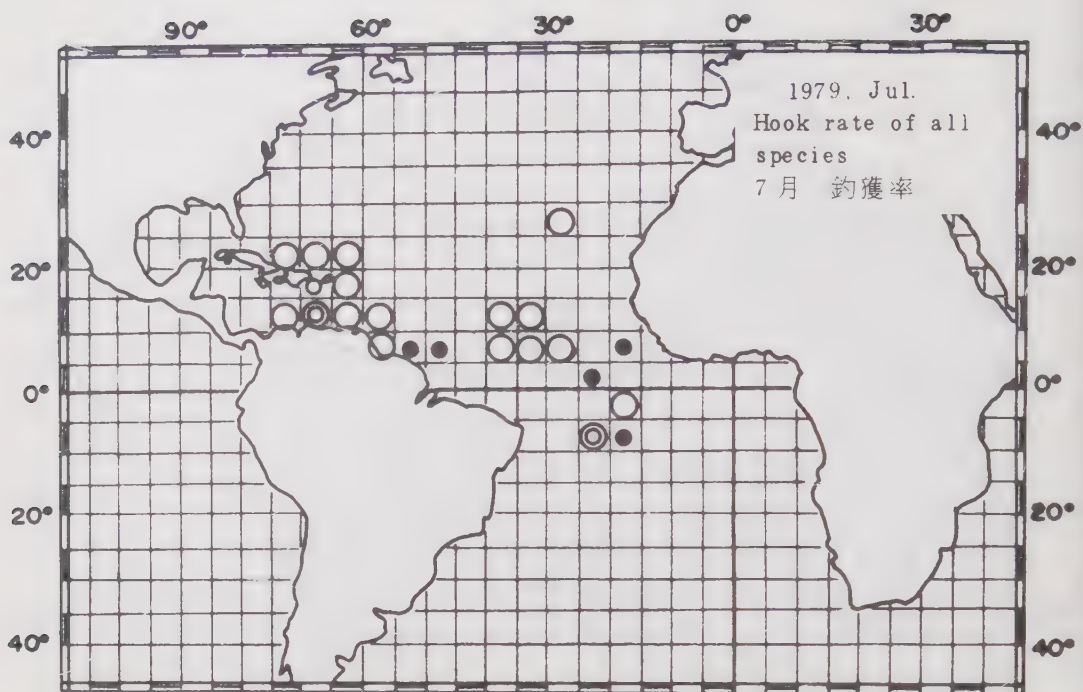


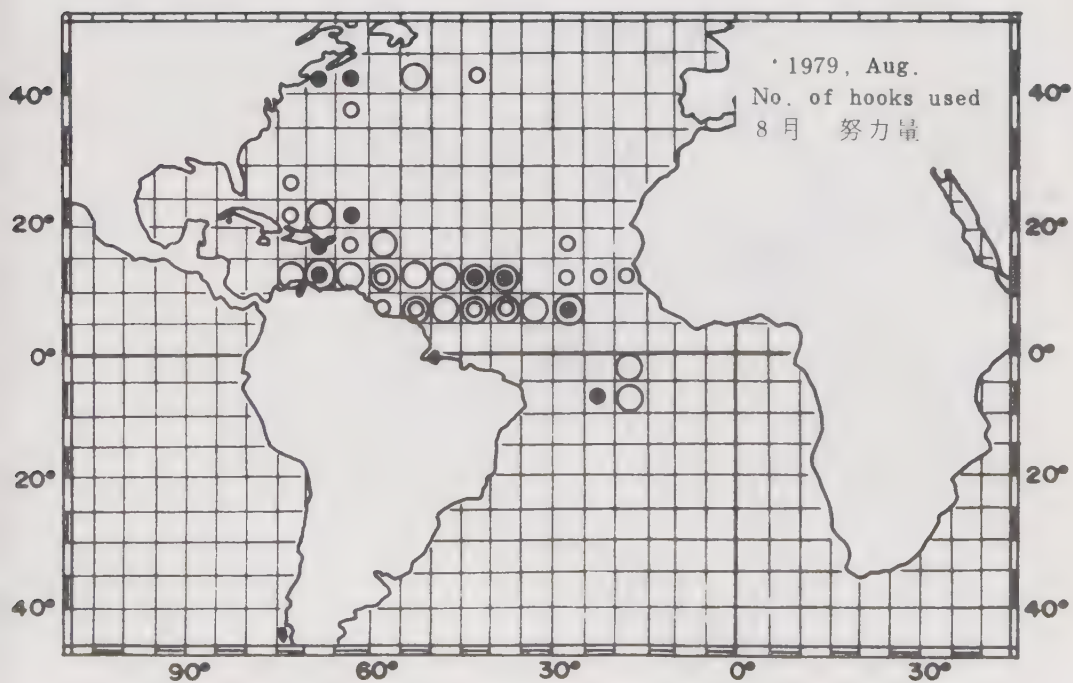
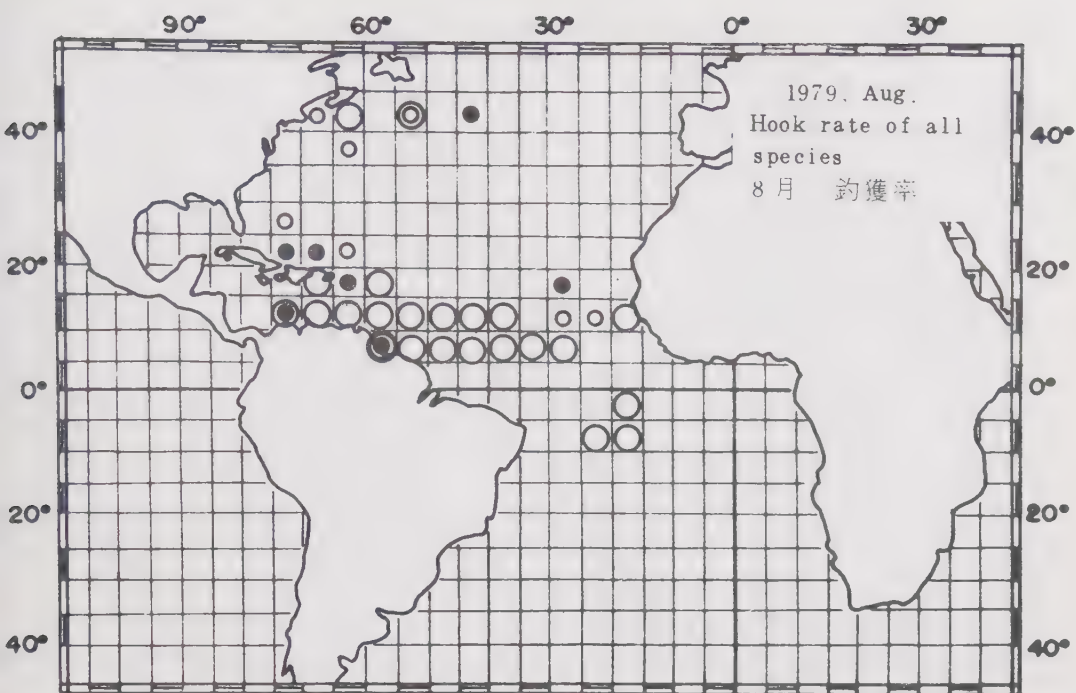


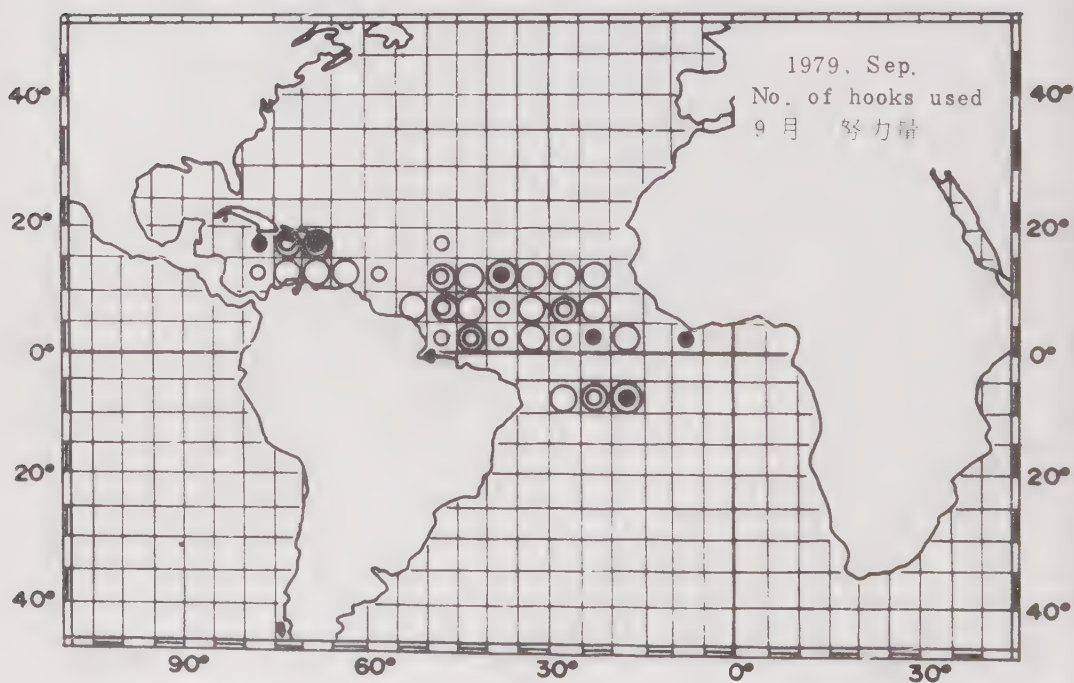
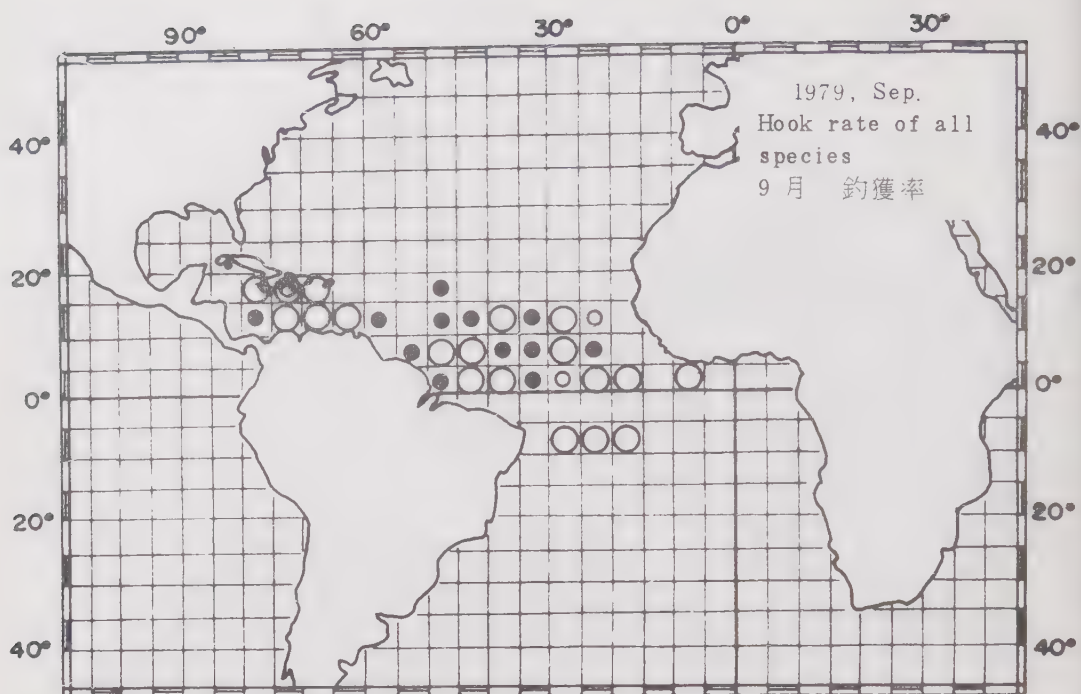


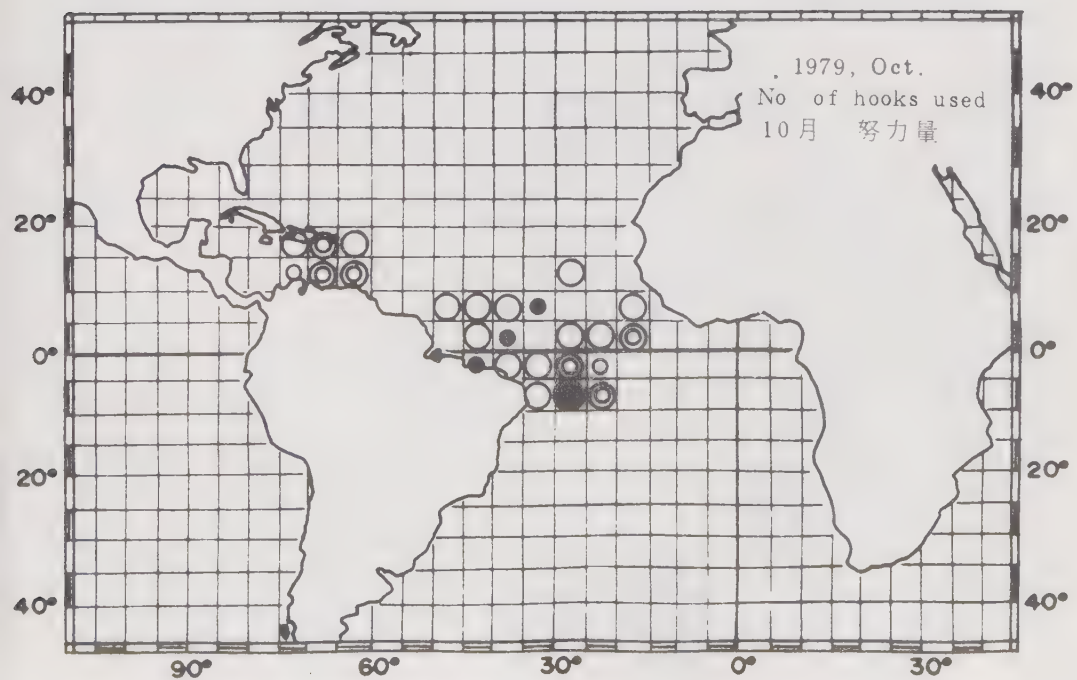
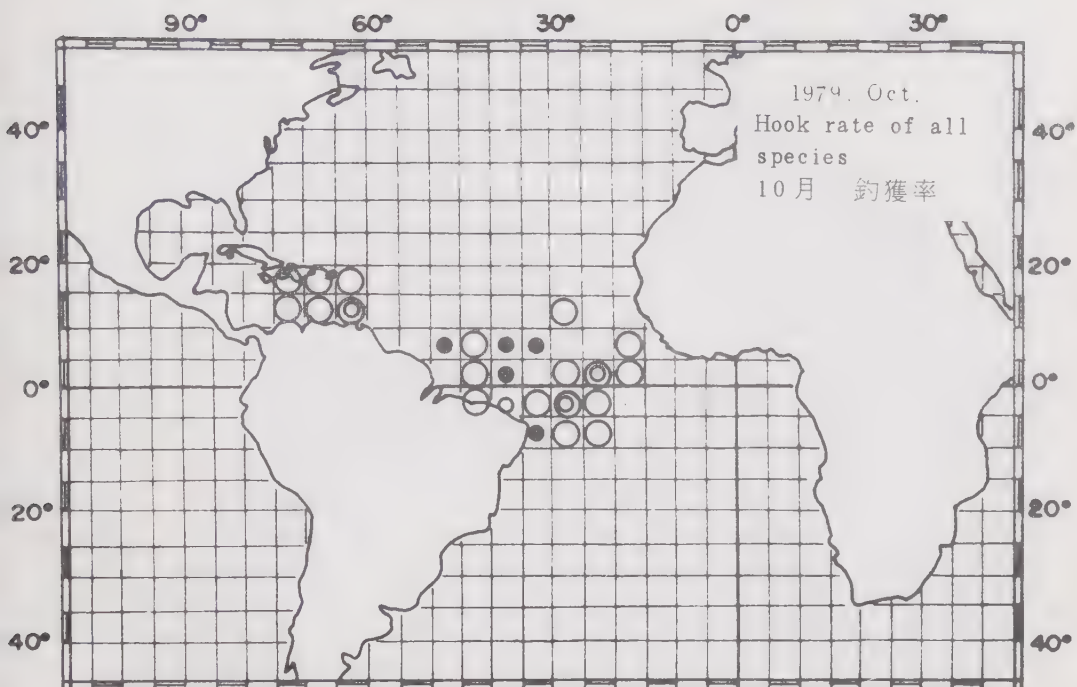




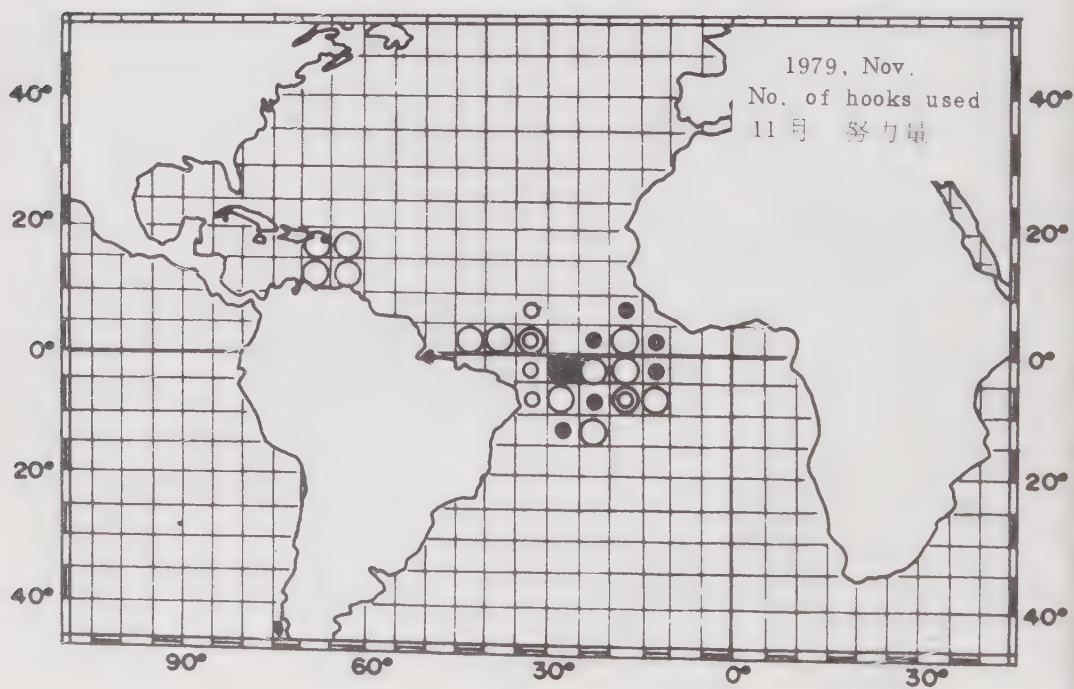
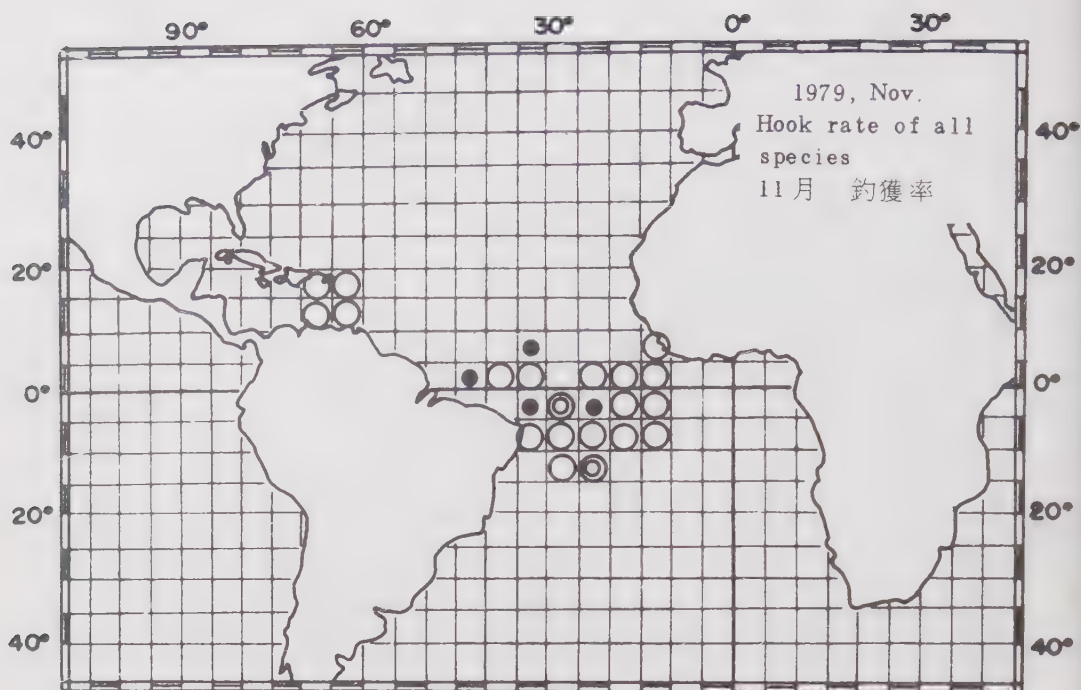


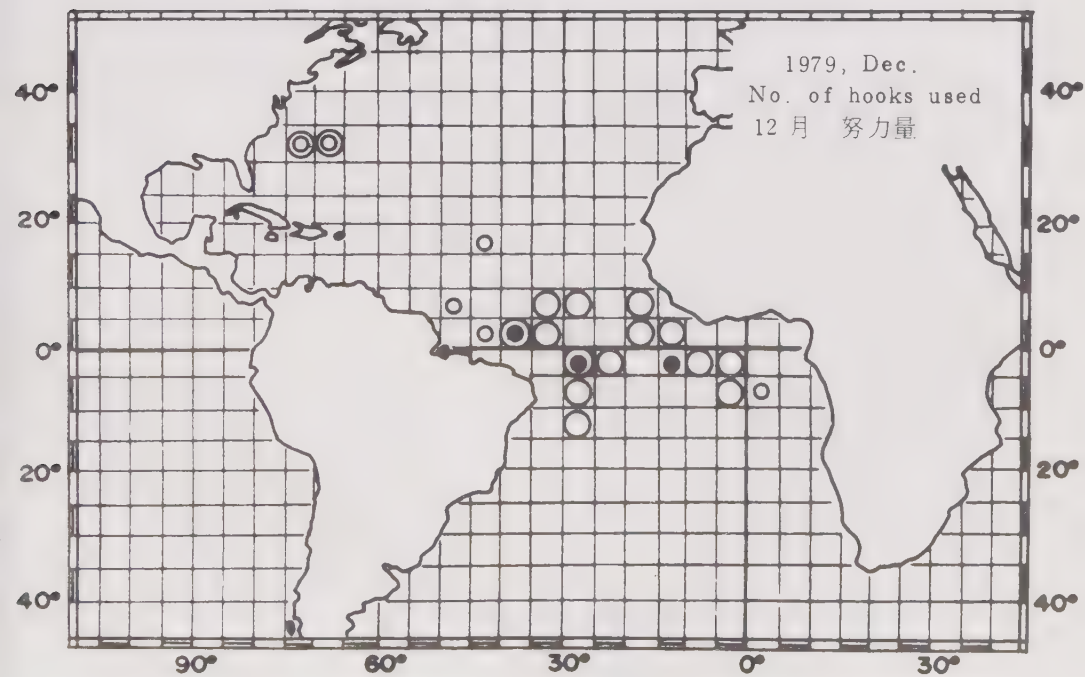
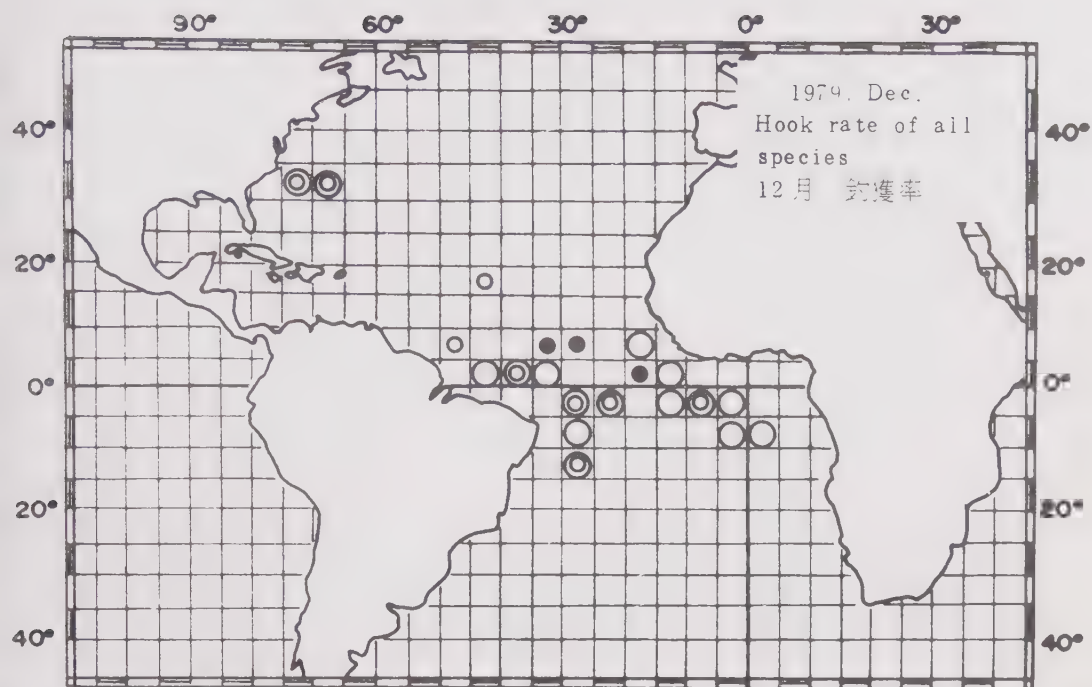
















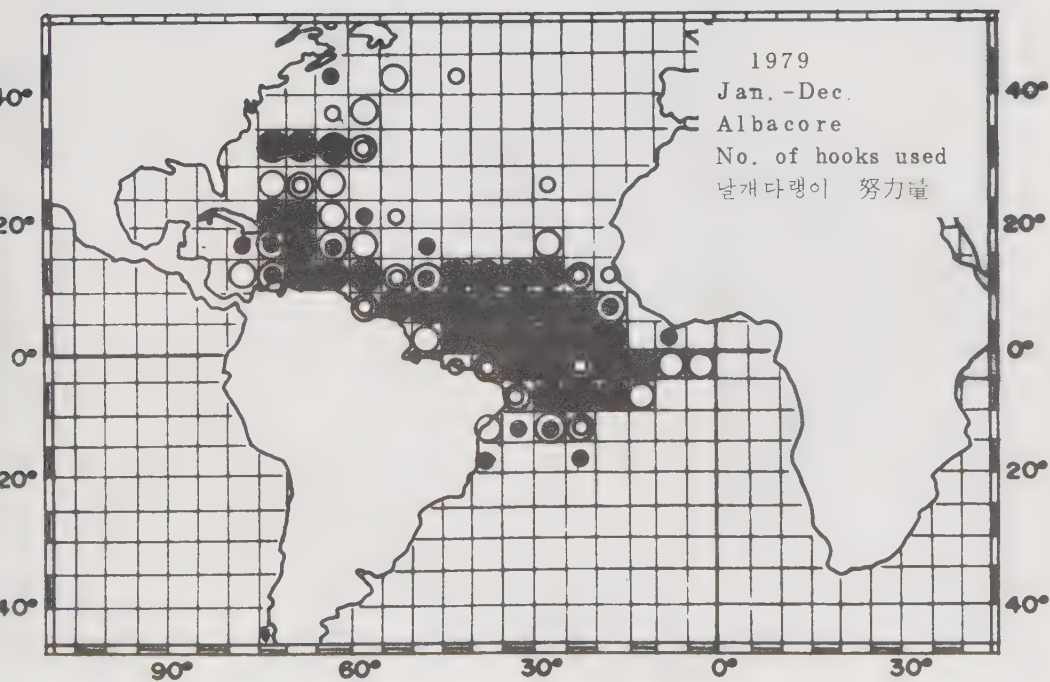
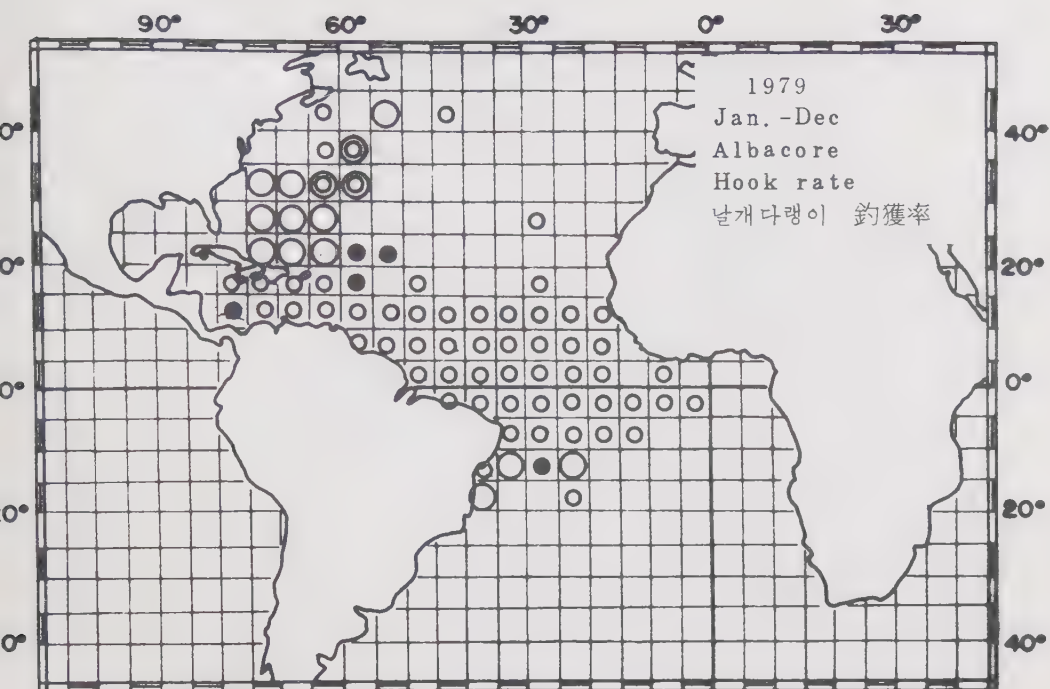
날개다랭이, 황다랭이, 눈다랭이  
釣獲率 및 漁獲努力 分布圖

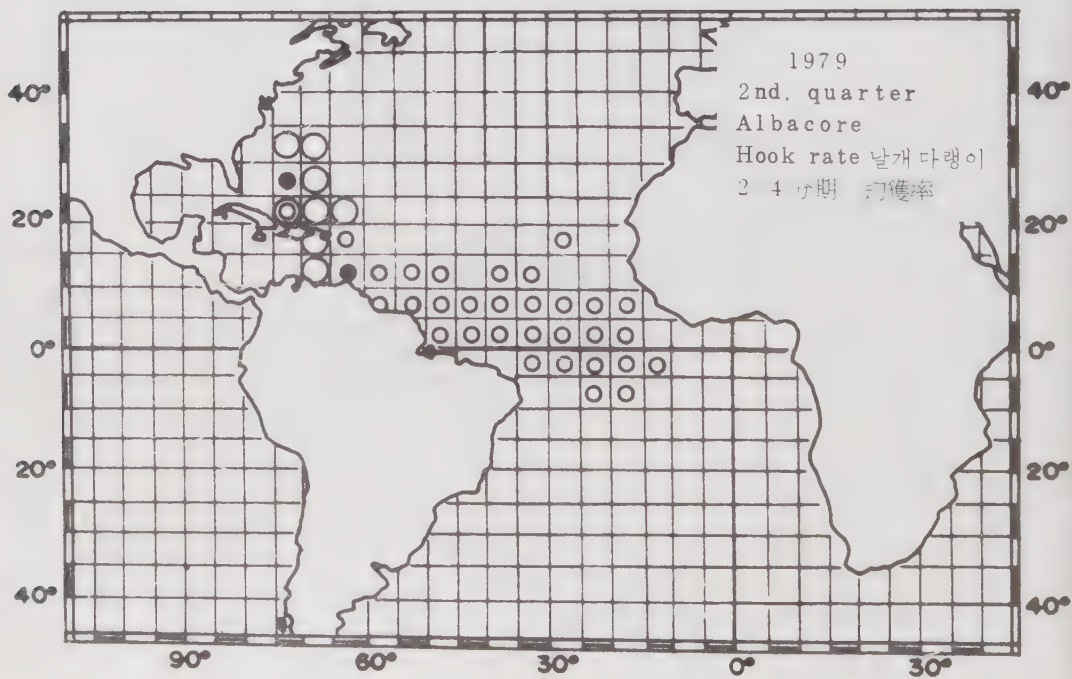
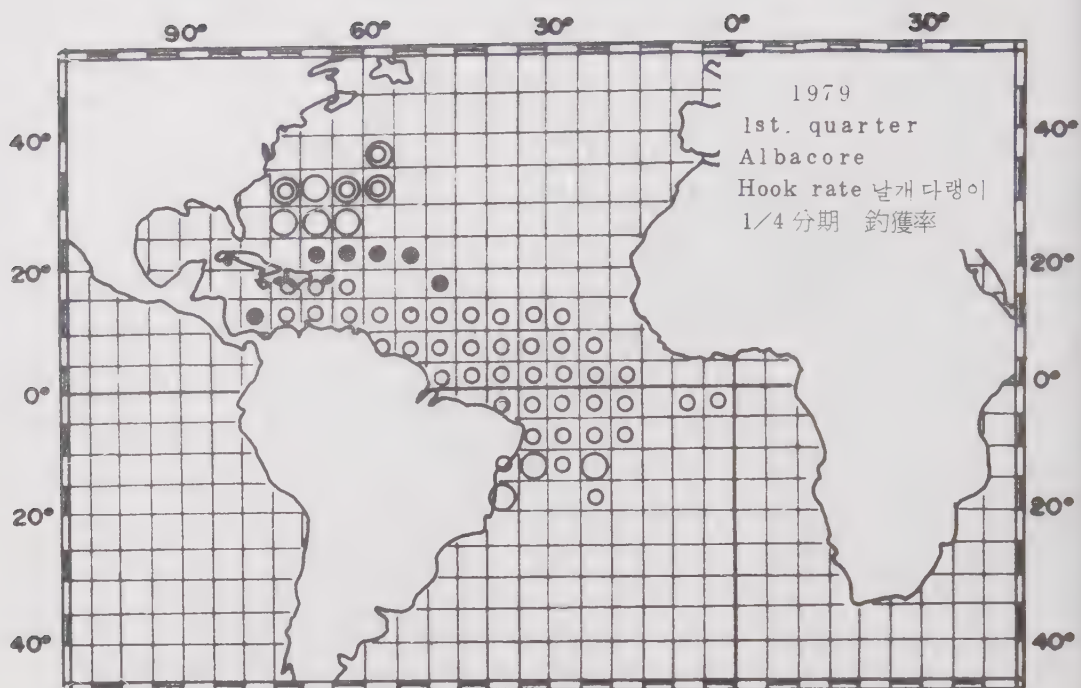
Albacore, Yellowfin, Bigeye  
Hook rate and fishing effort

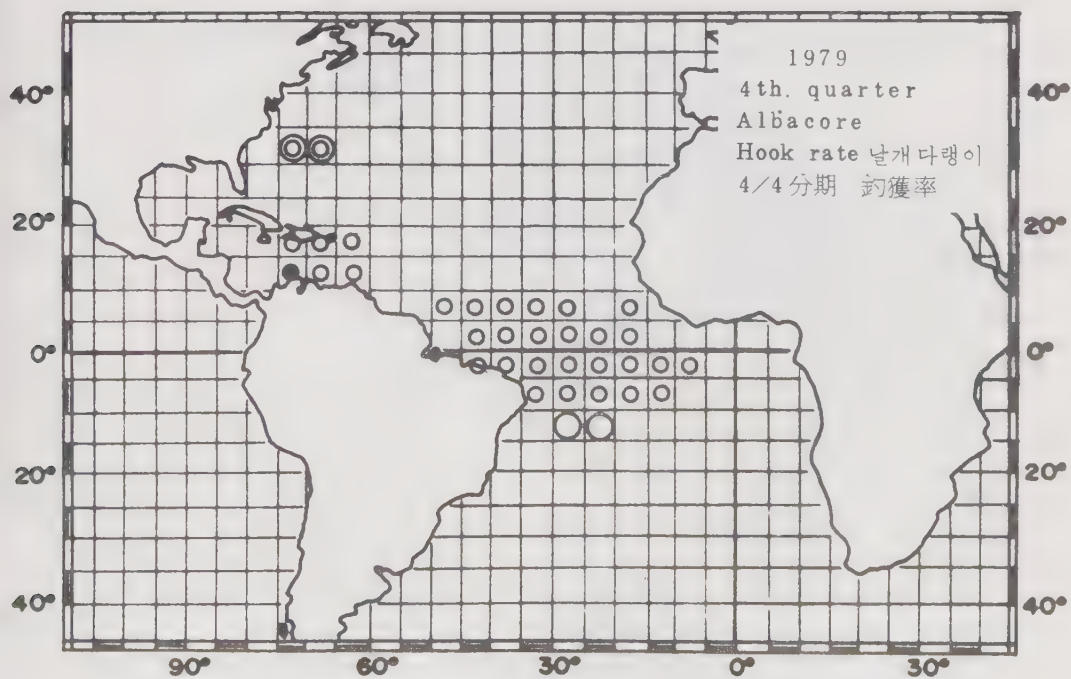
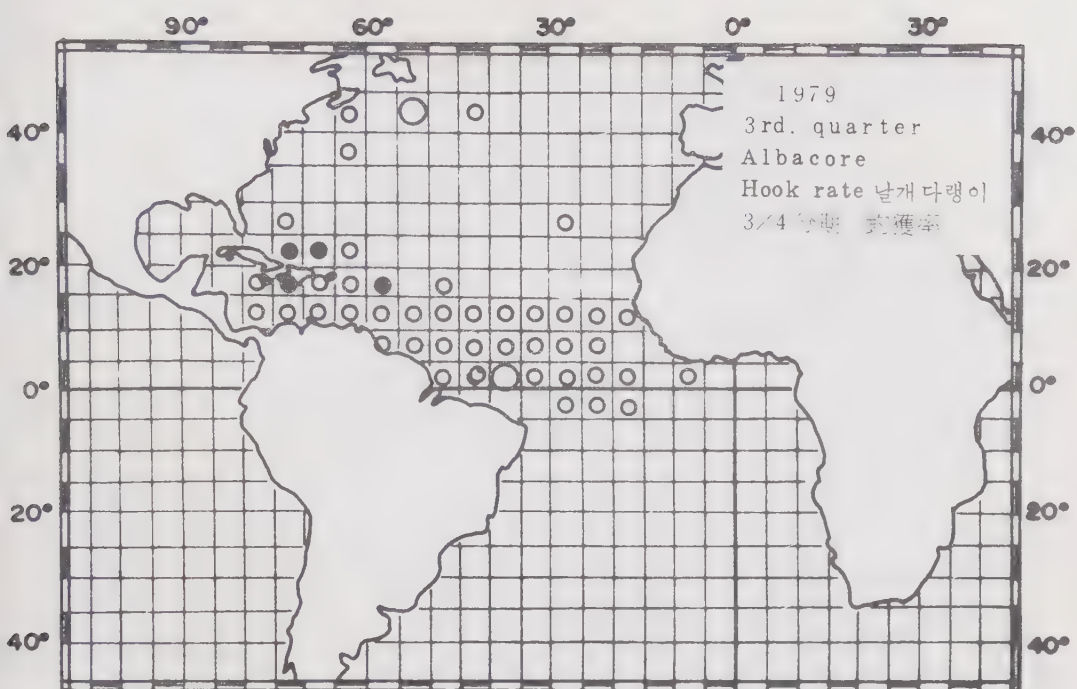


날 개 다 랭 이  
Albacore

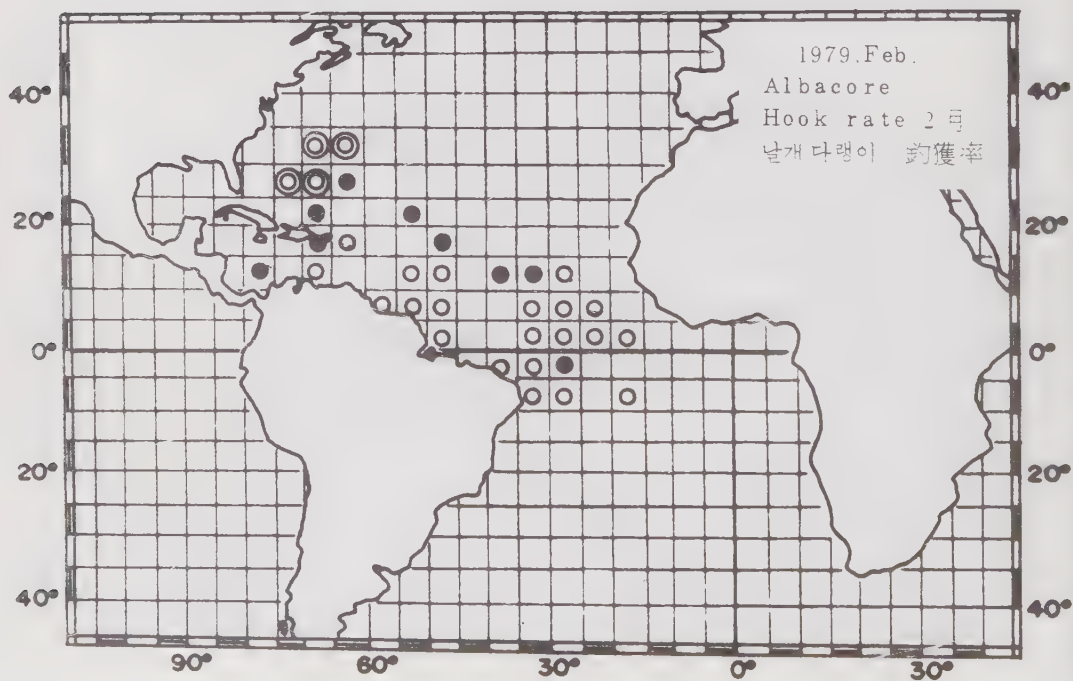
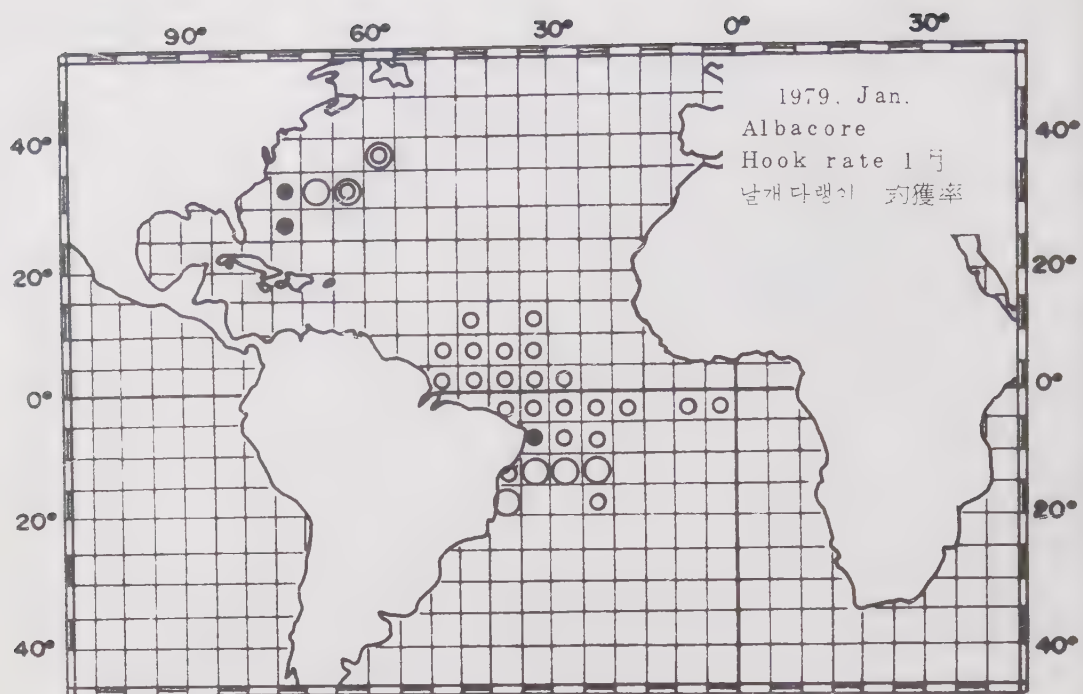


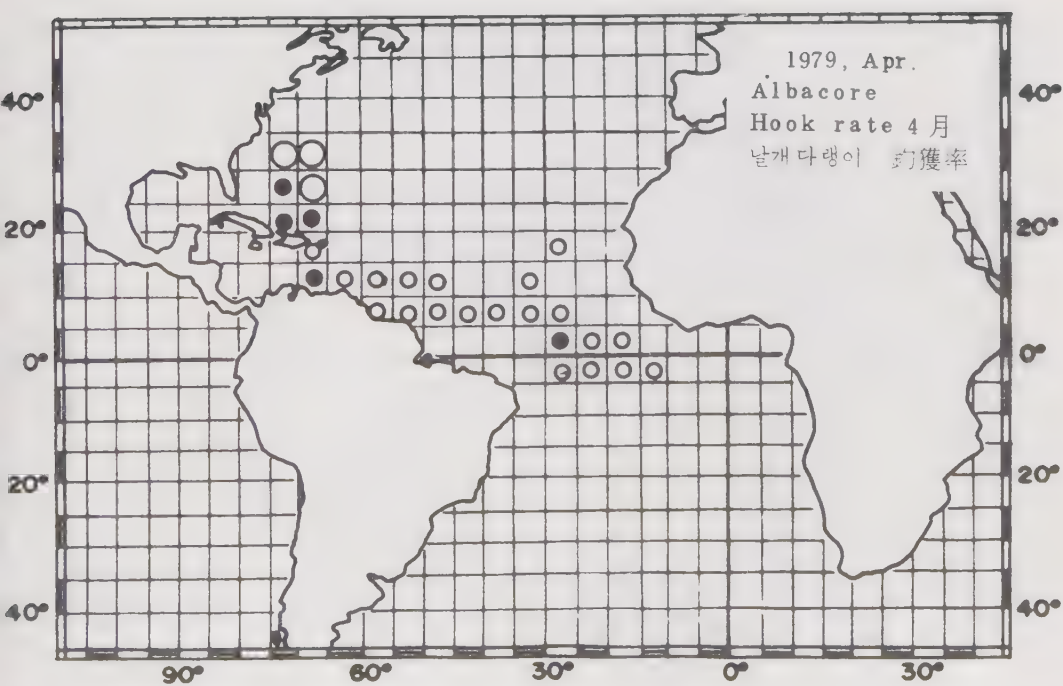
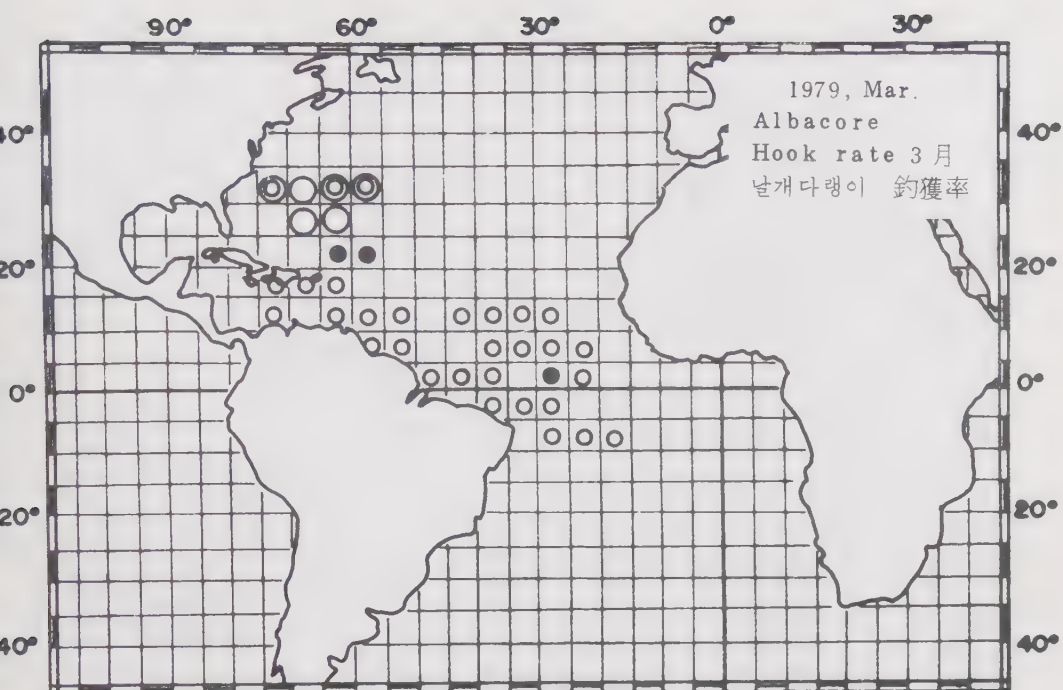


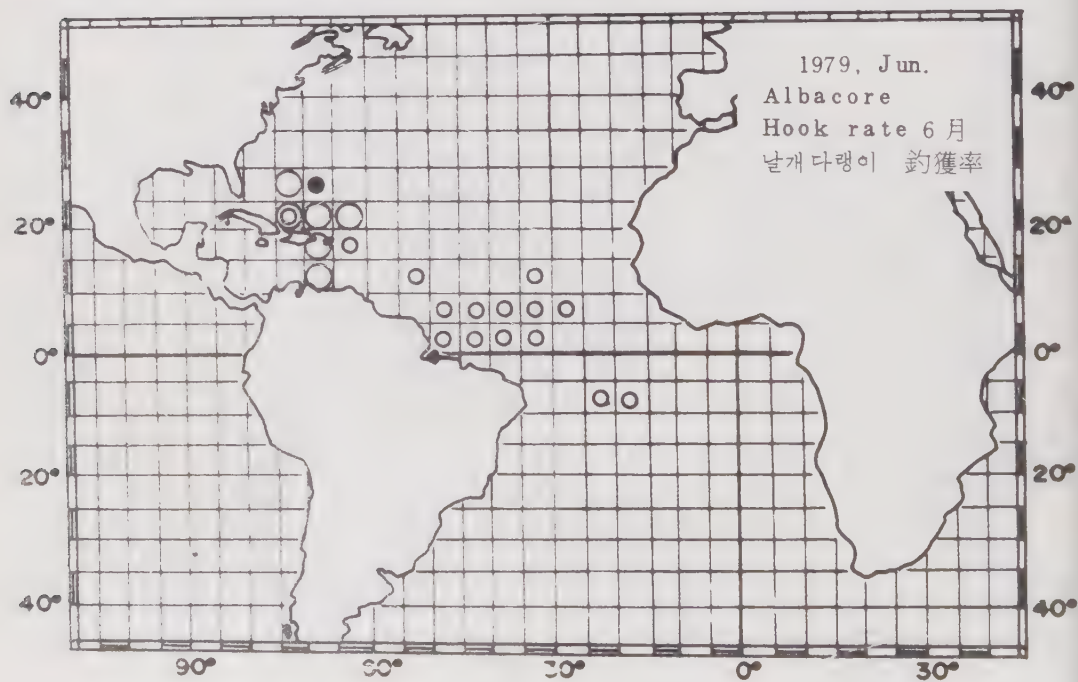
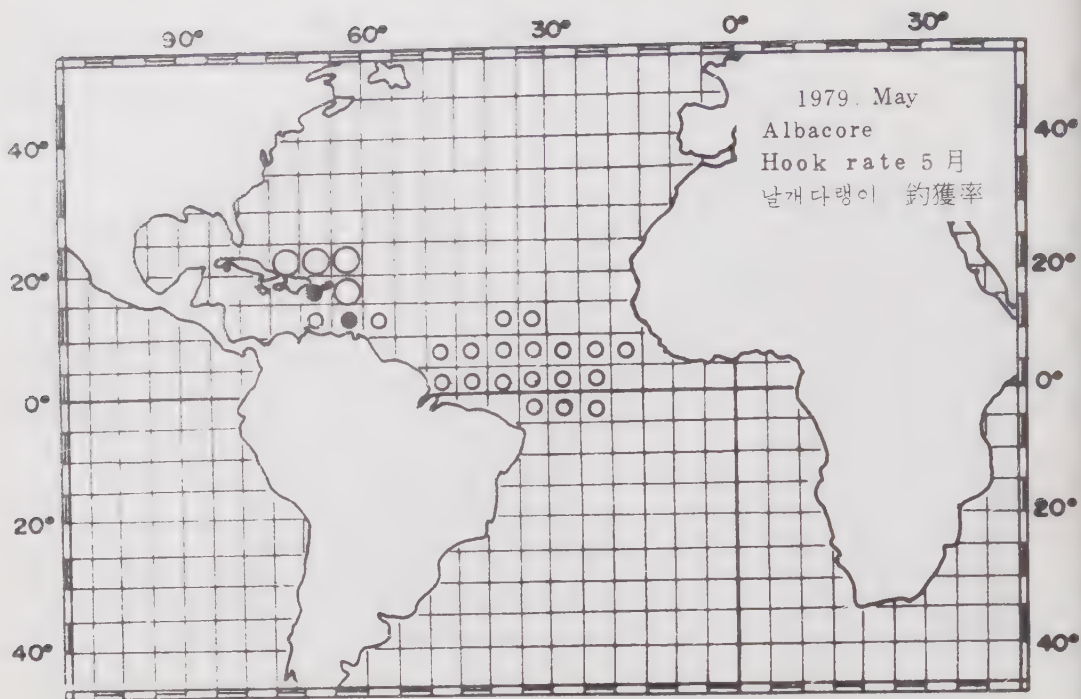


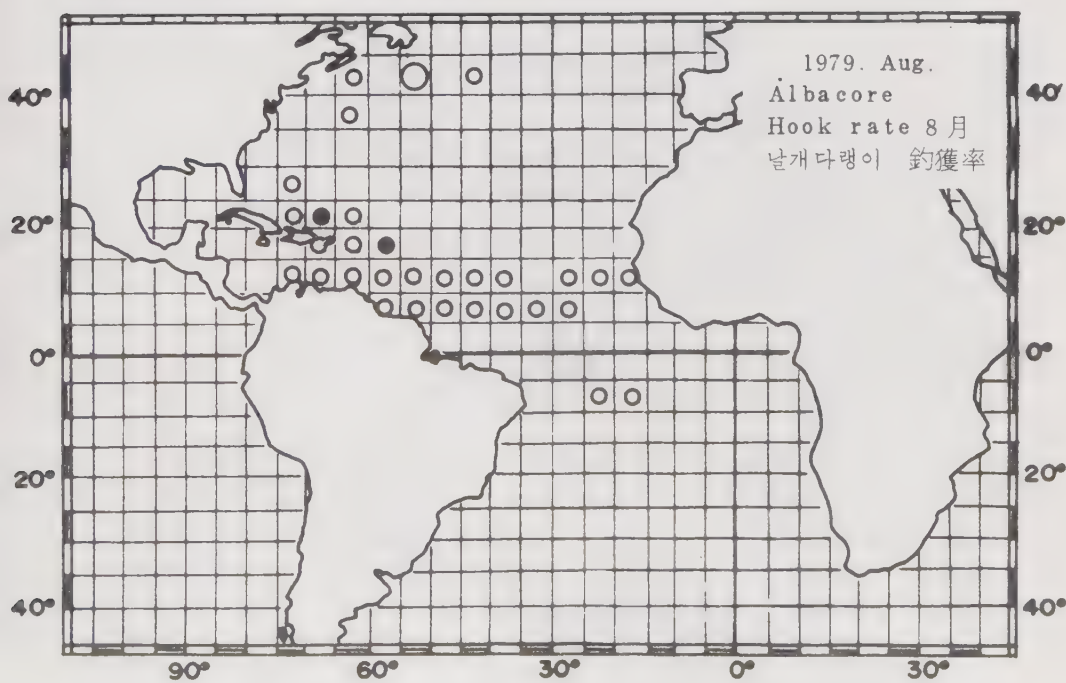
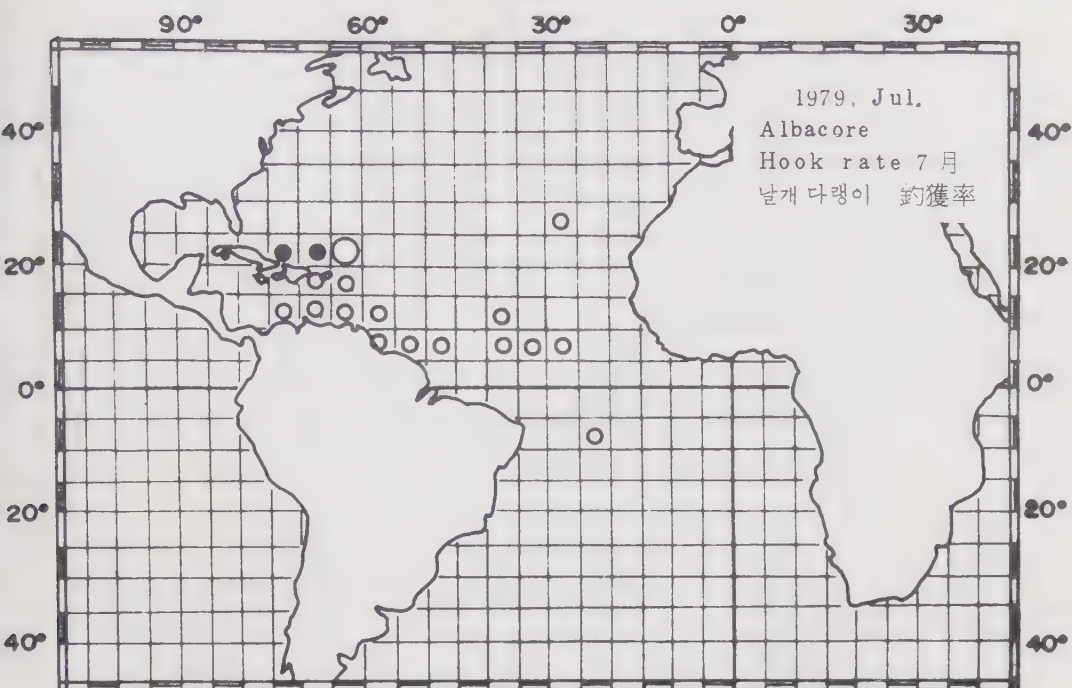




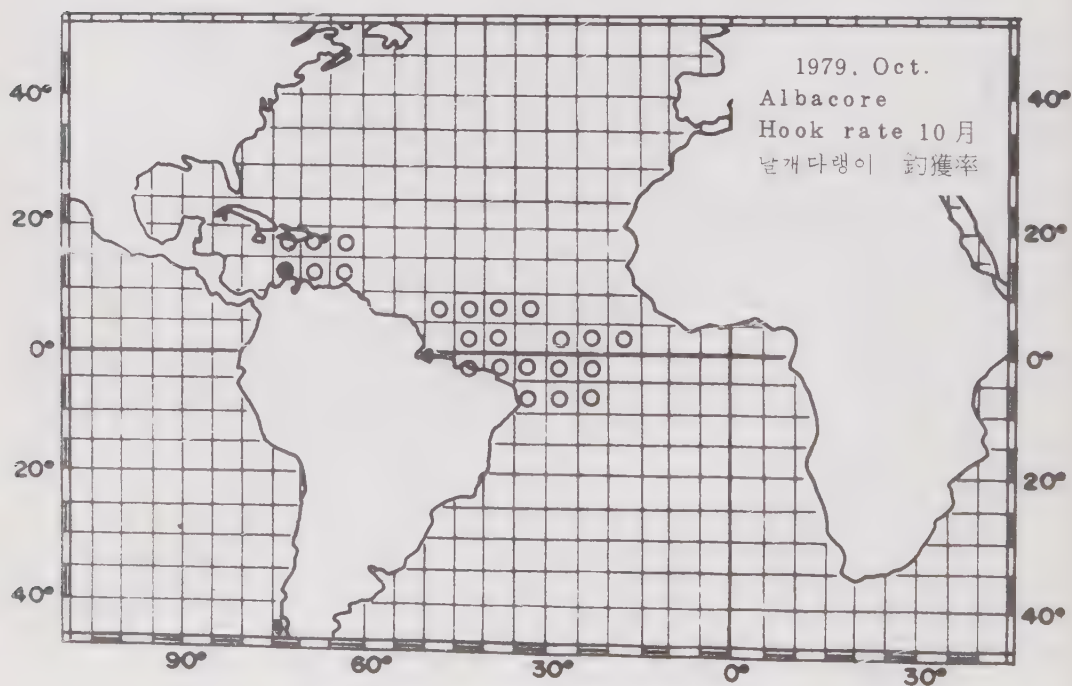
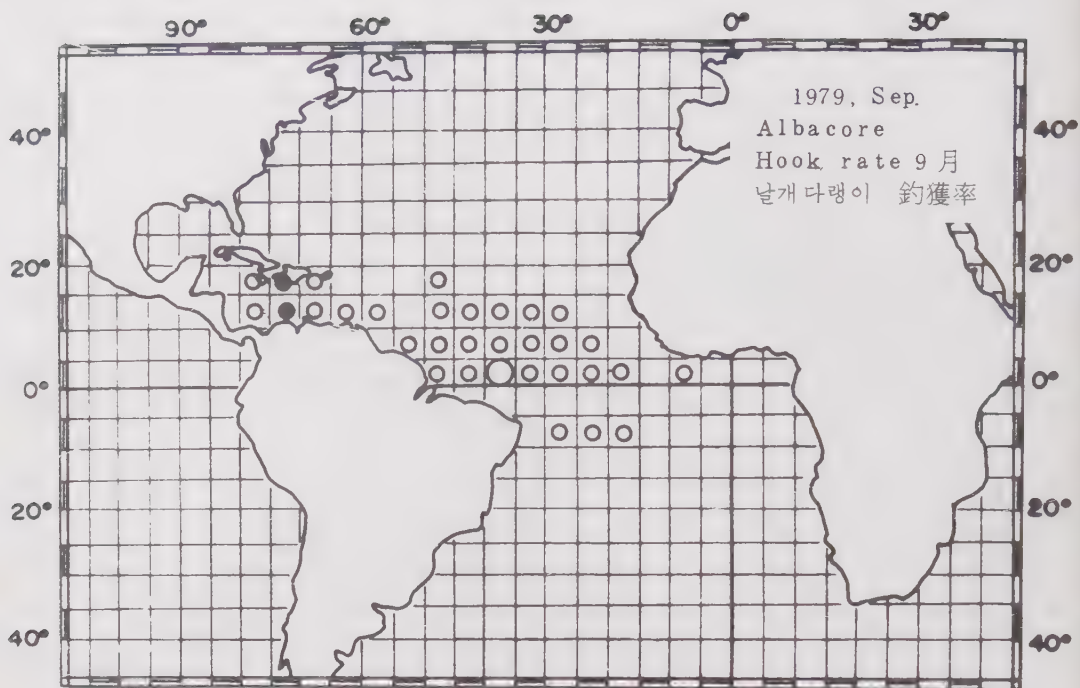


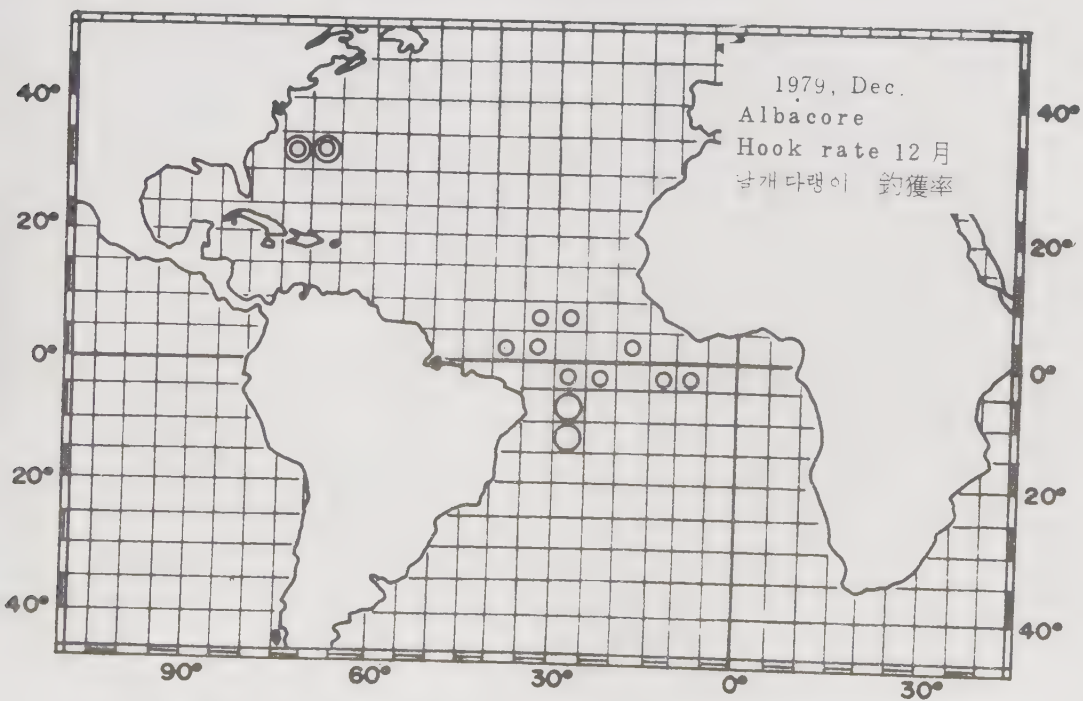
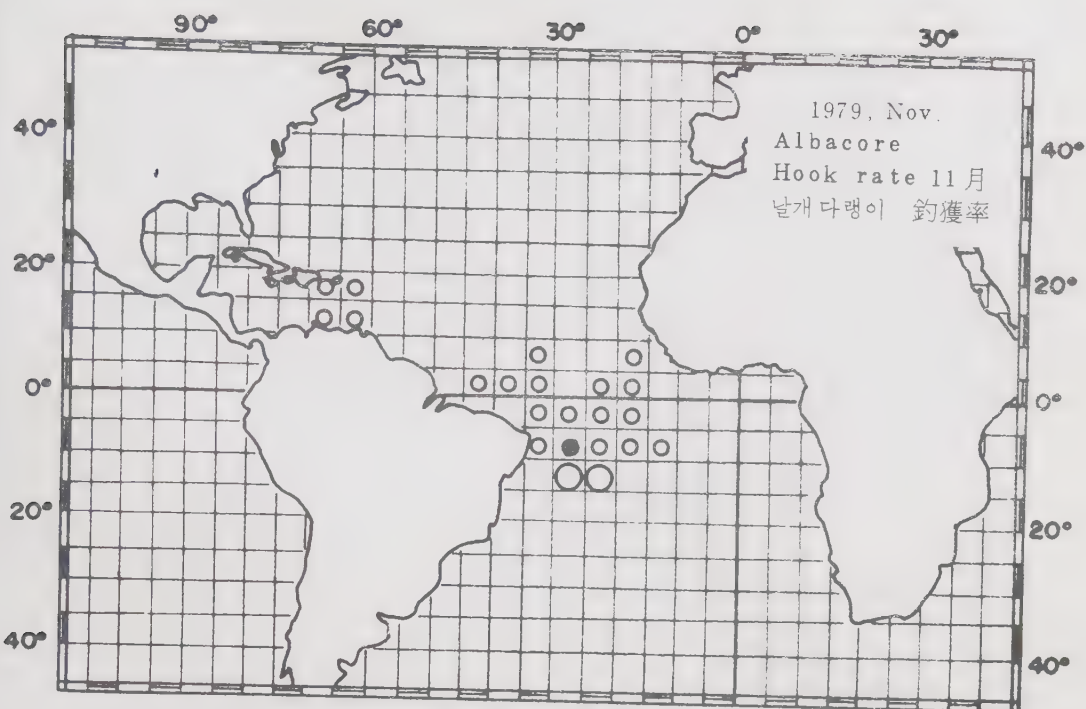










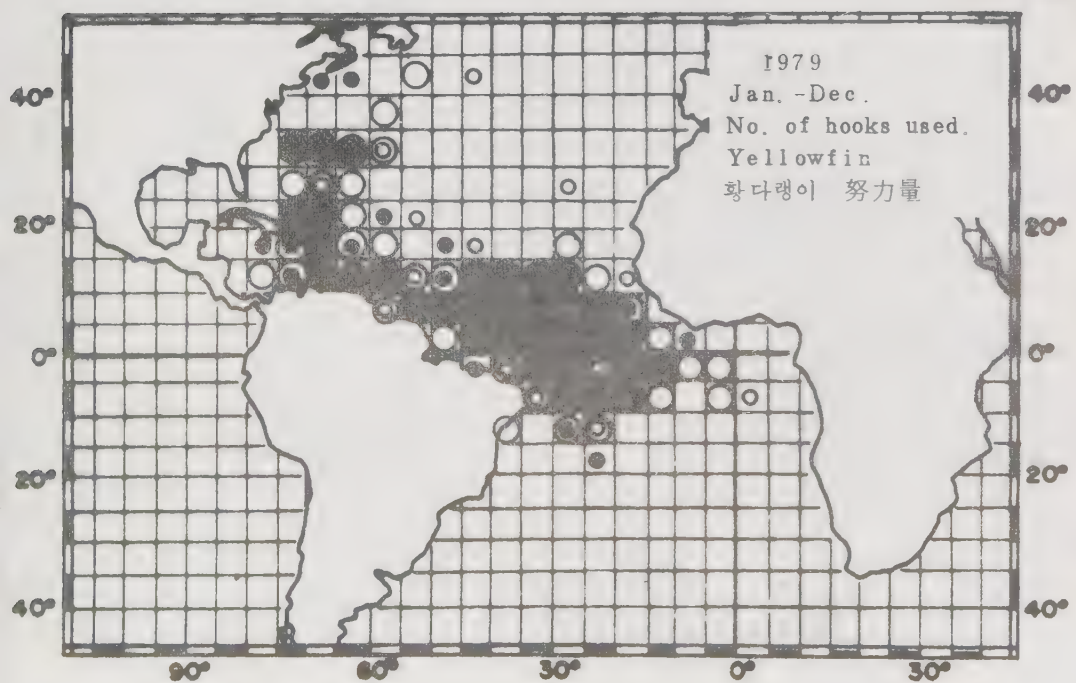
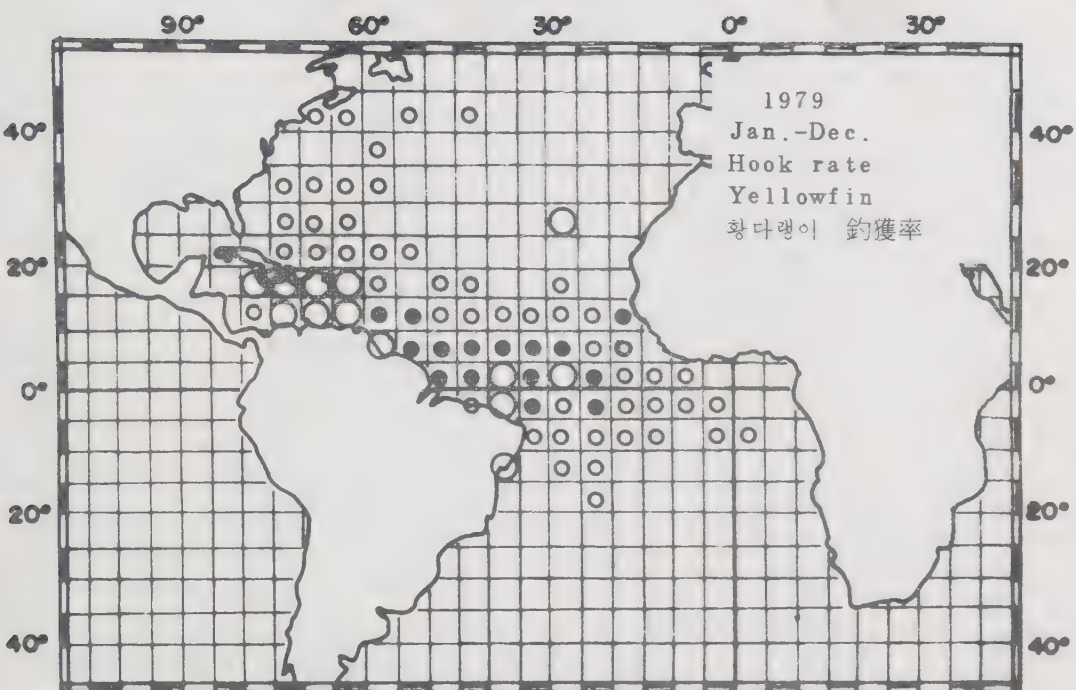


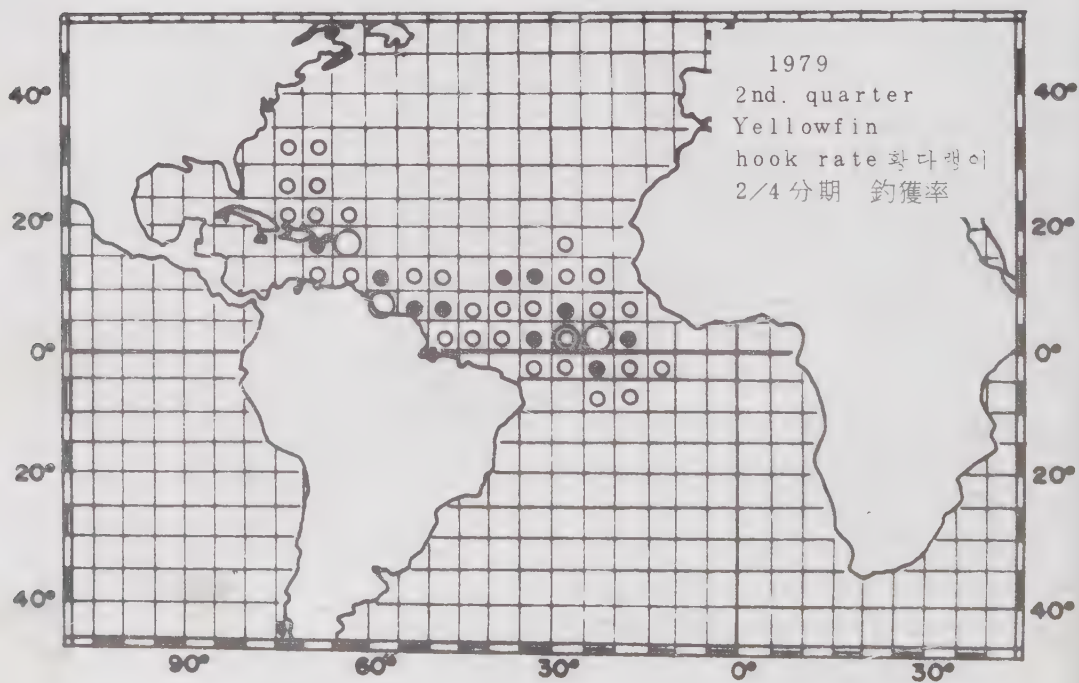
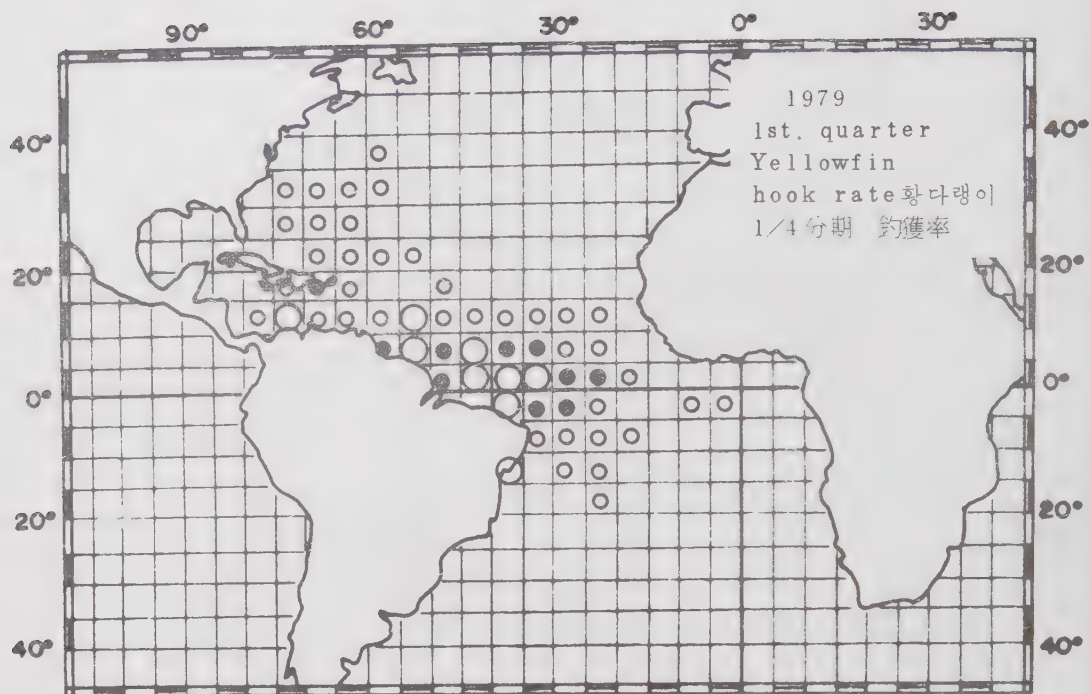


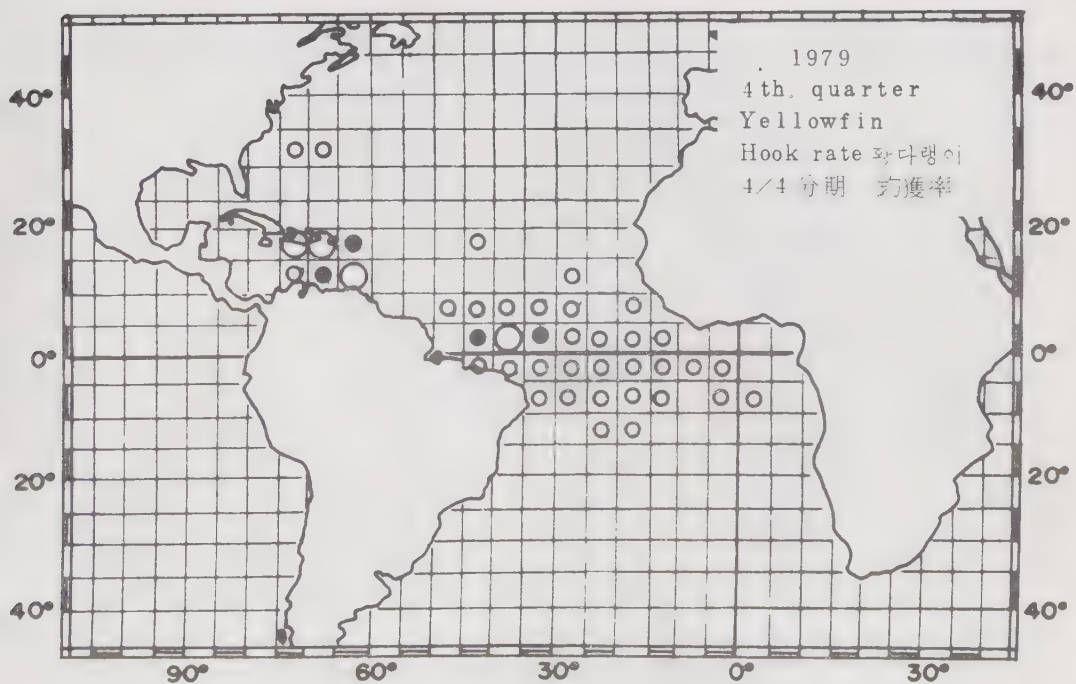
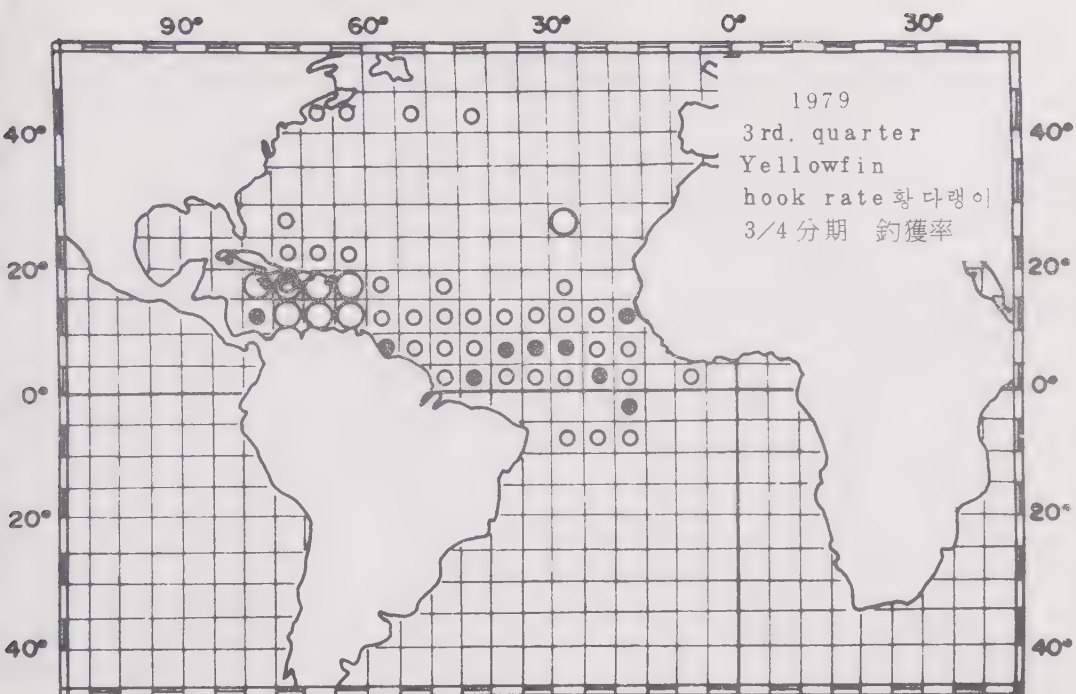


황 다 랭 이  
Yellowfin

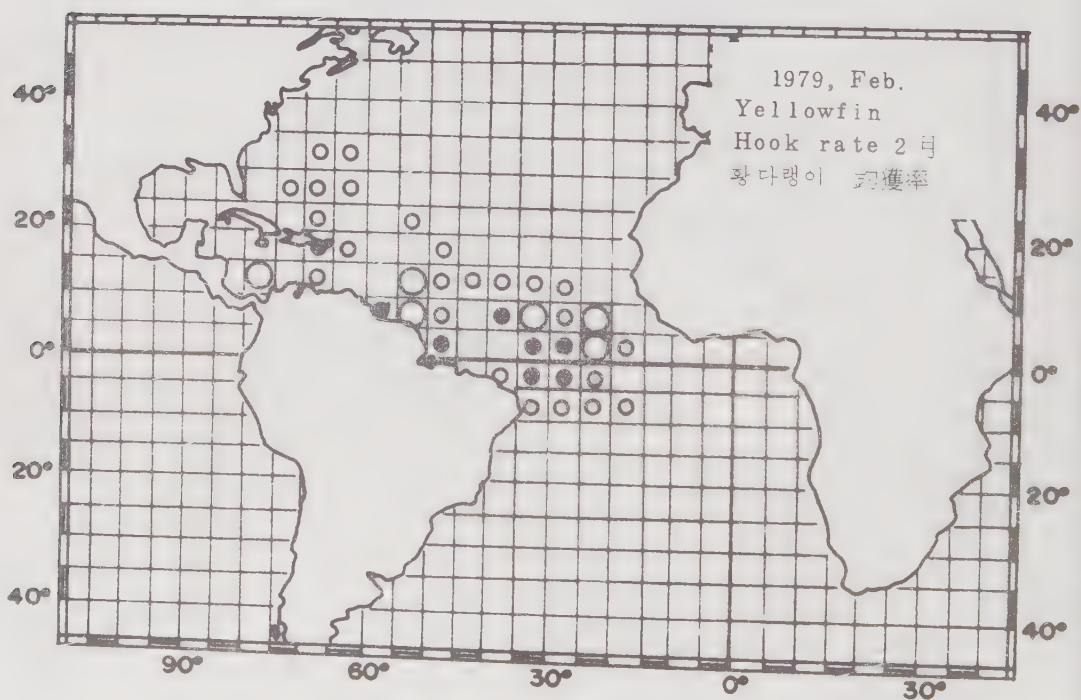
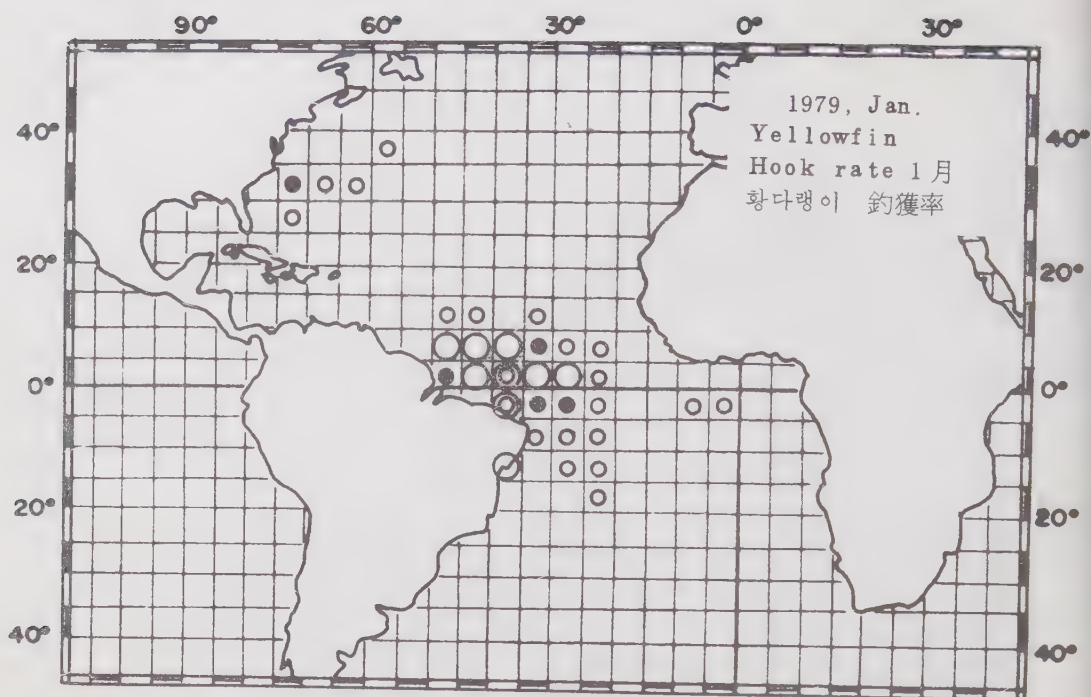


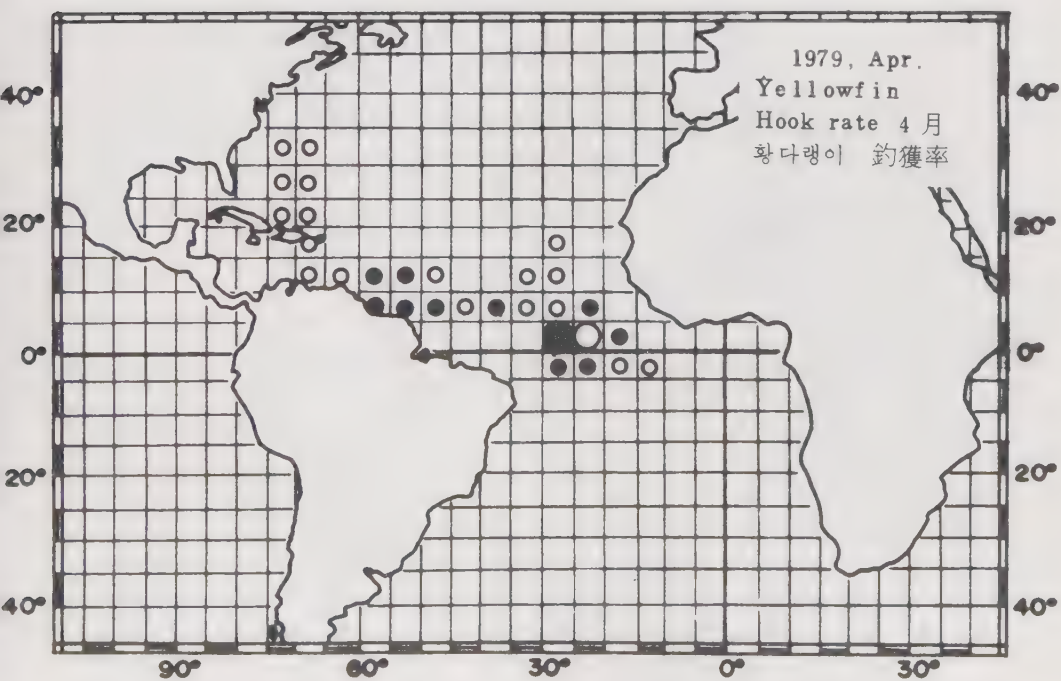
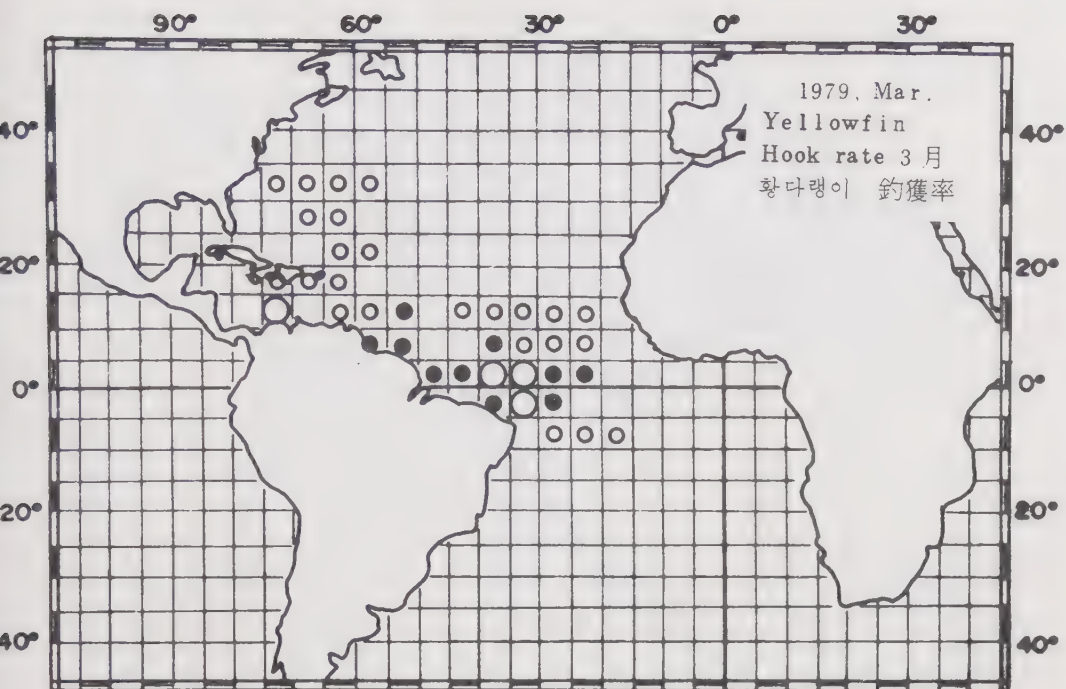




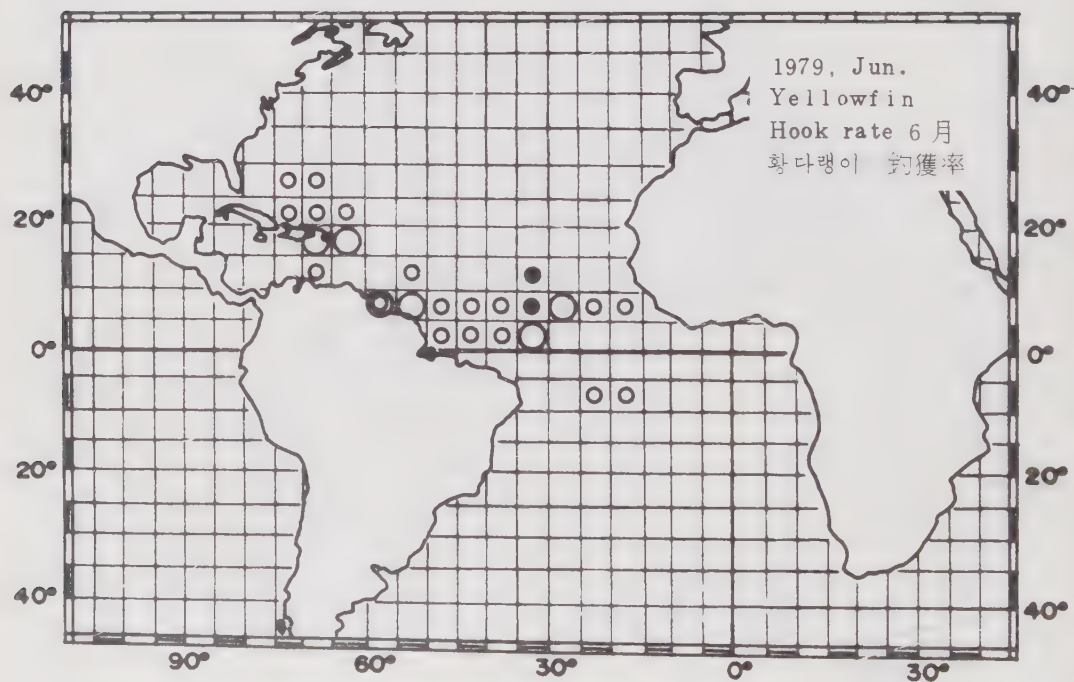
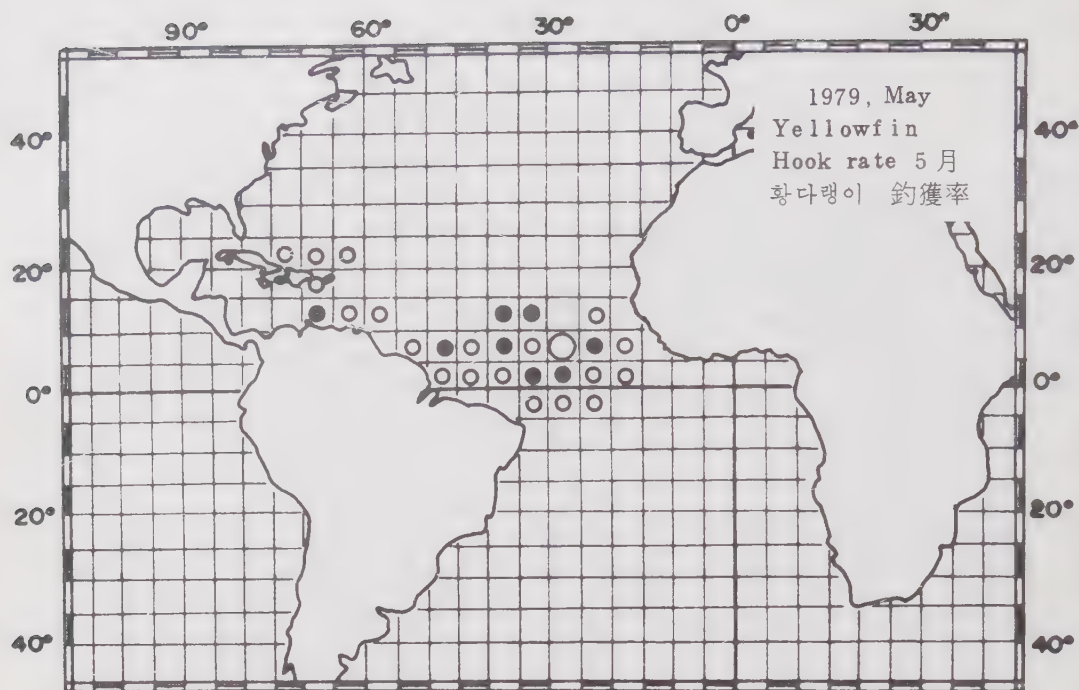


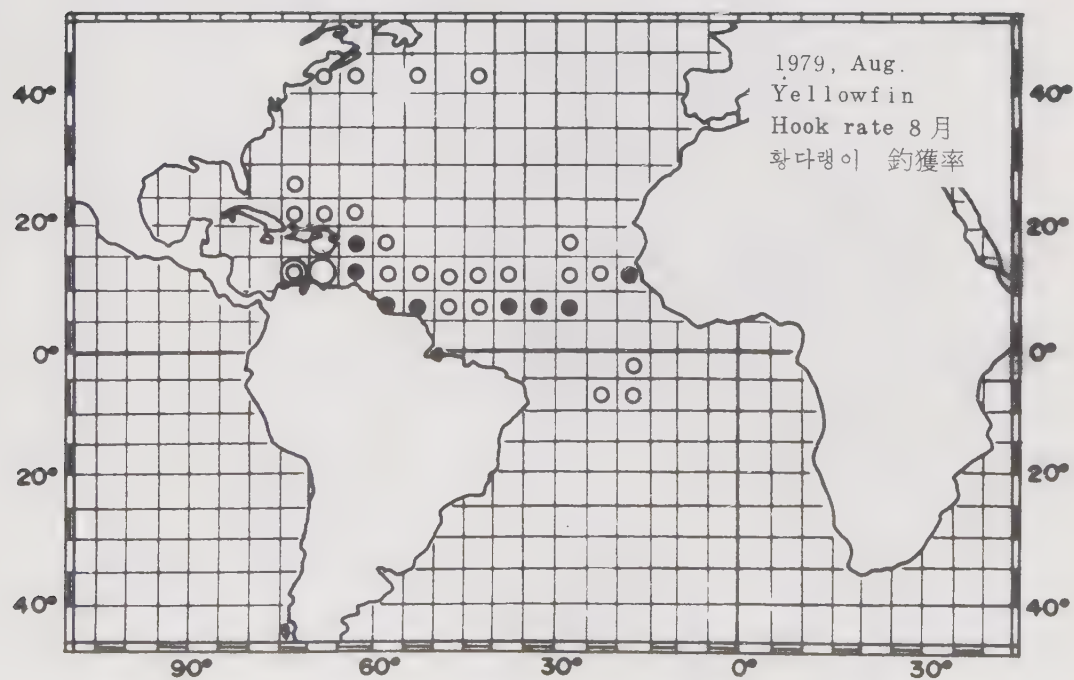
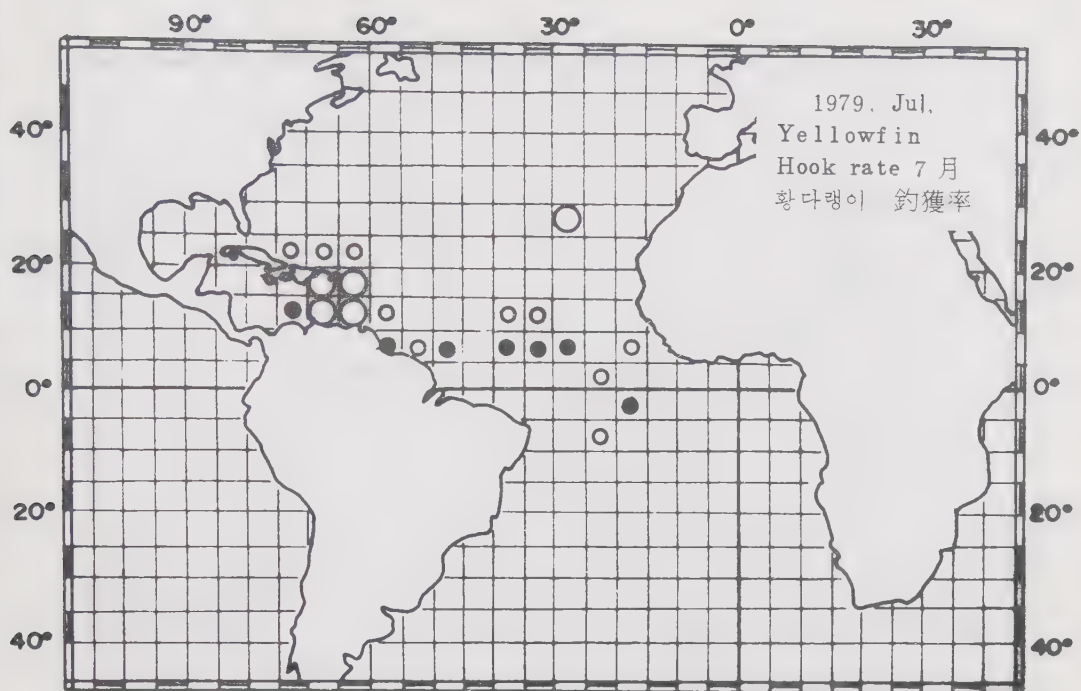


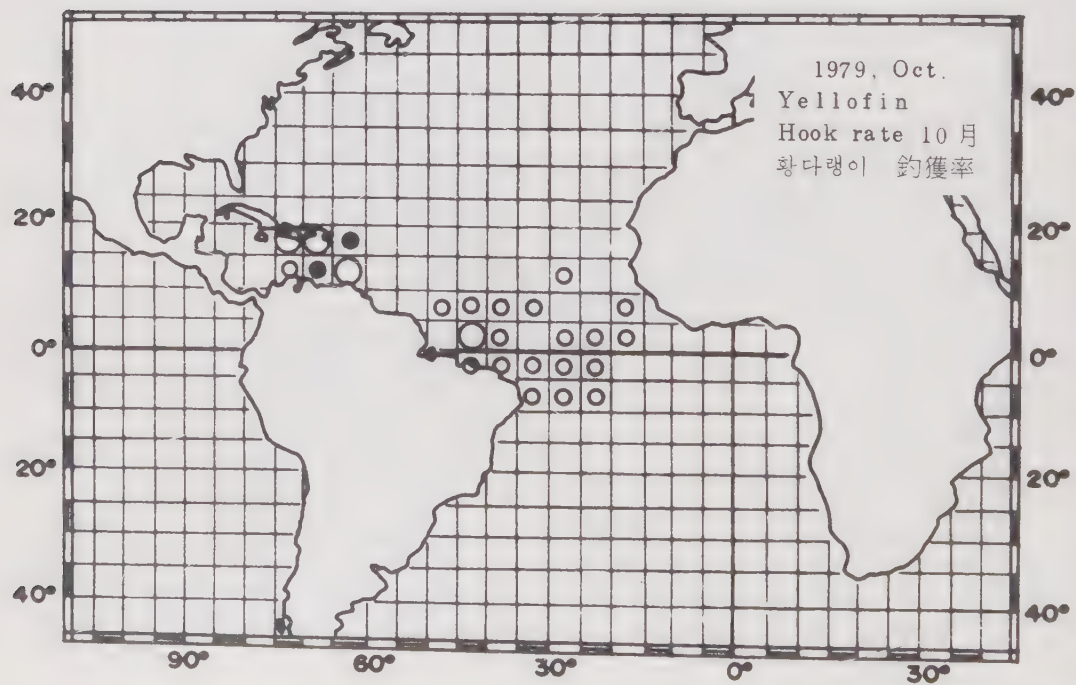
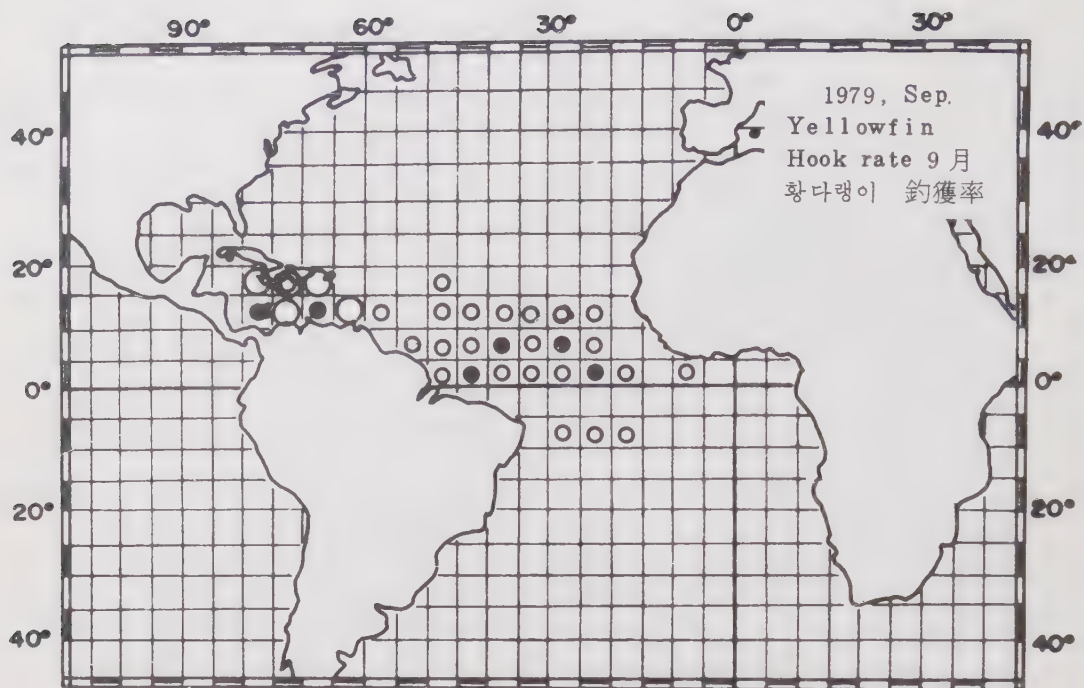


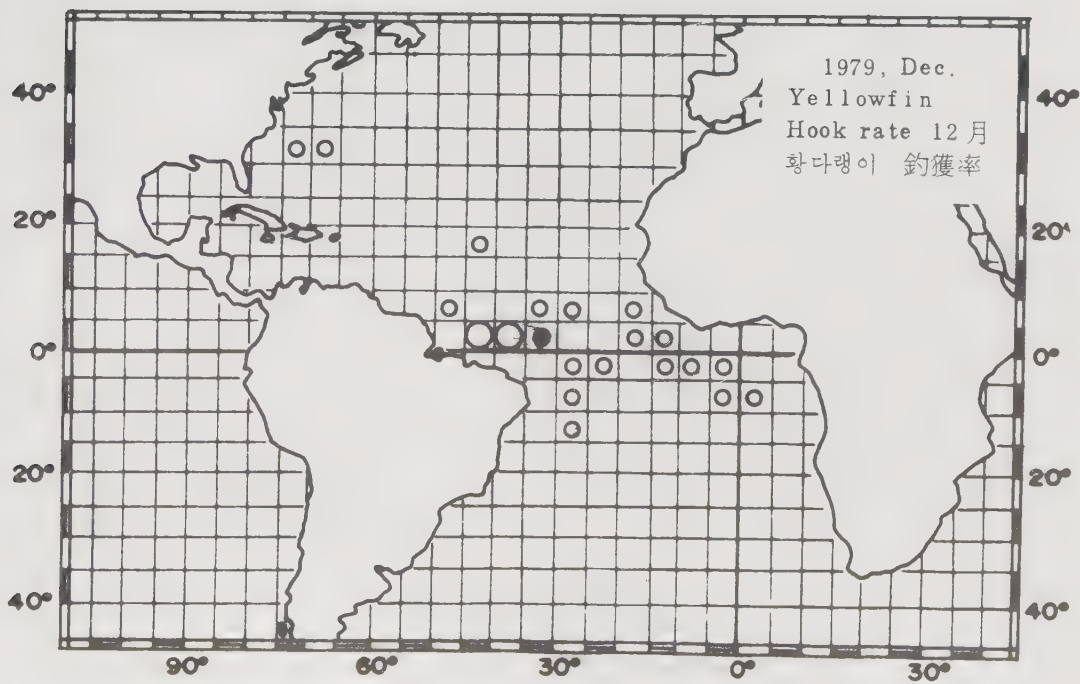
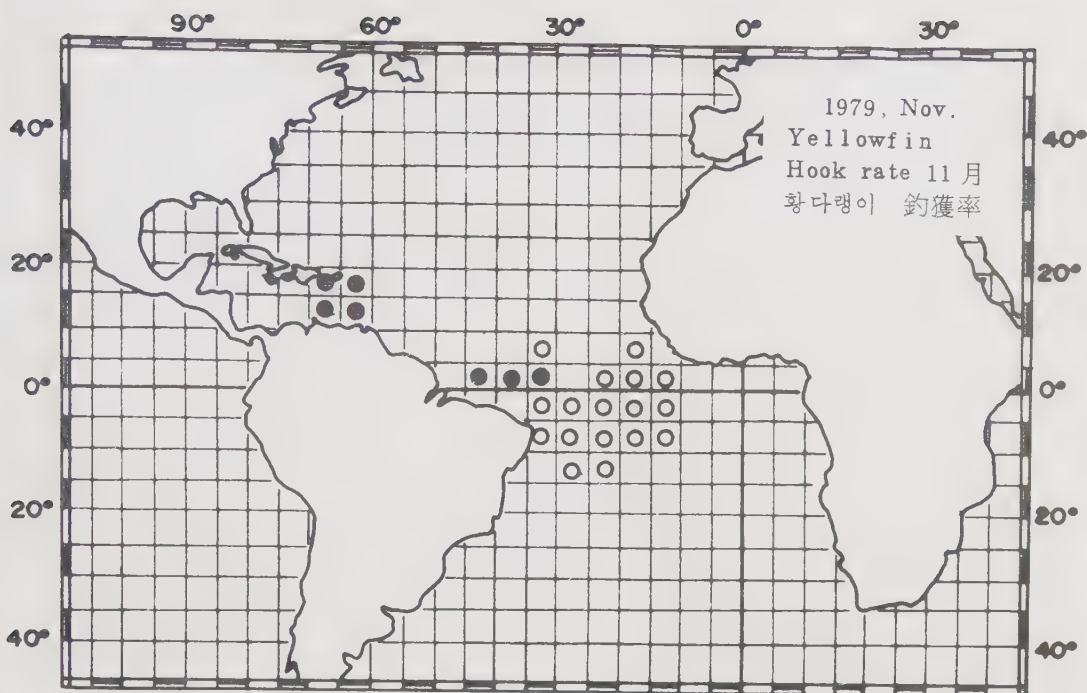










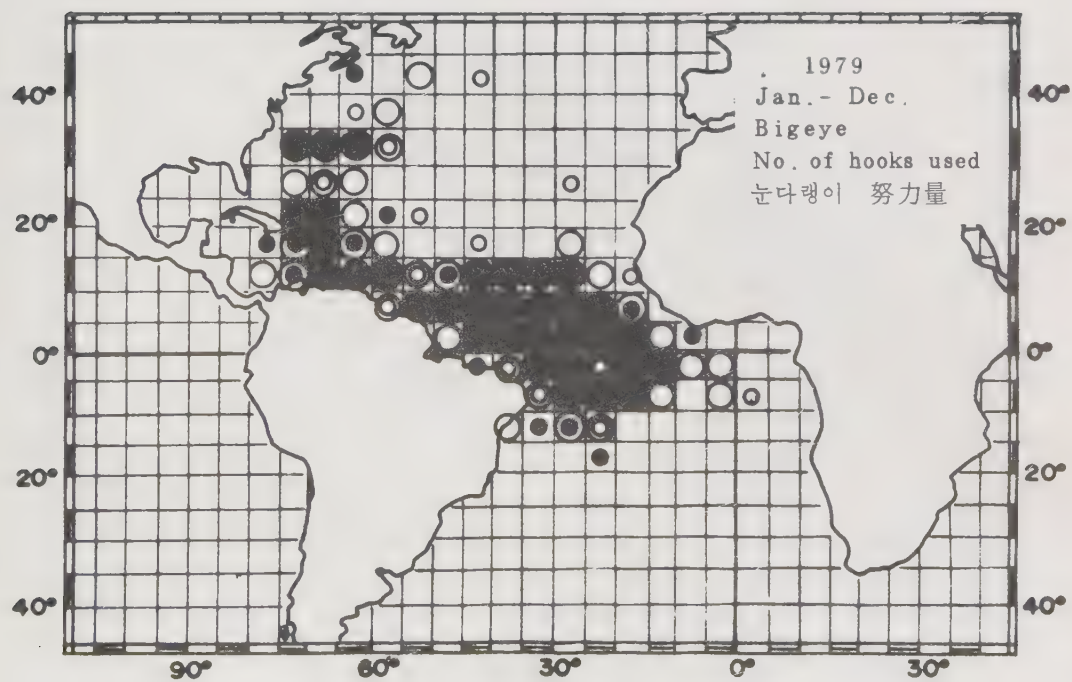
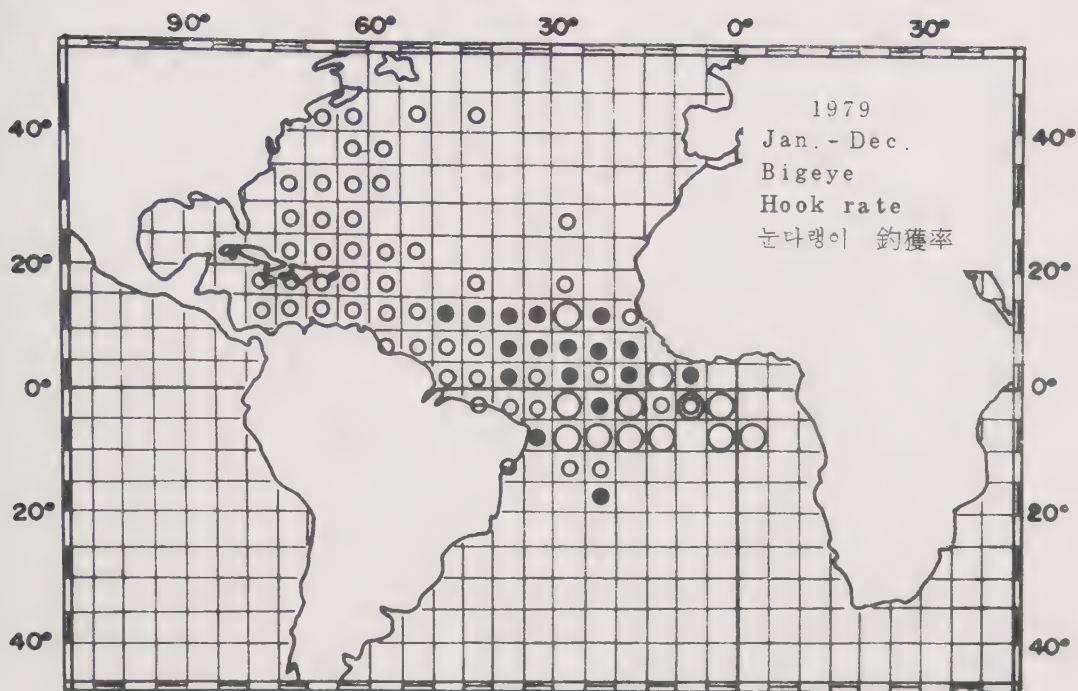


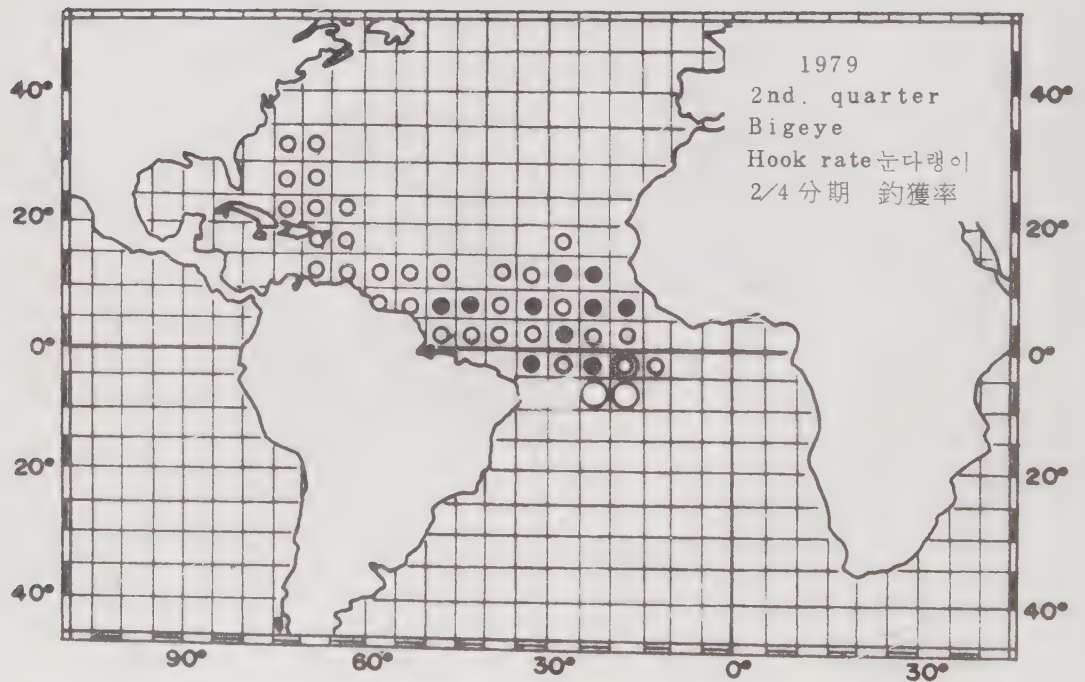
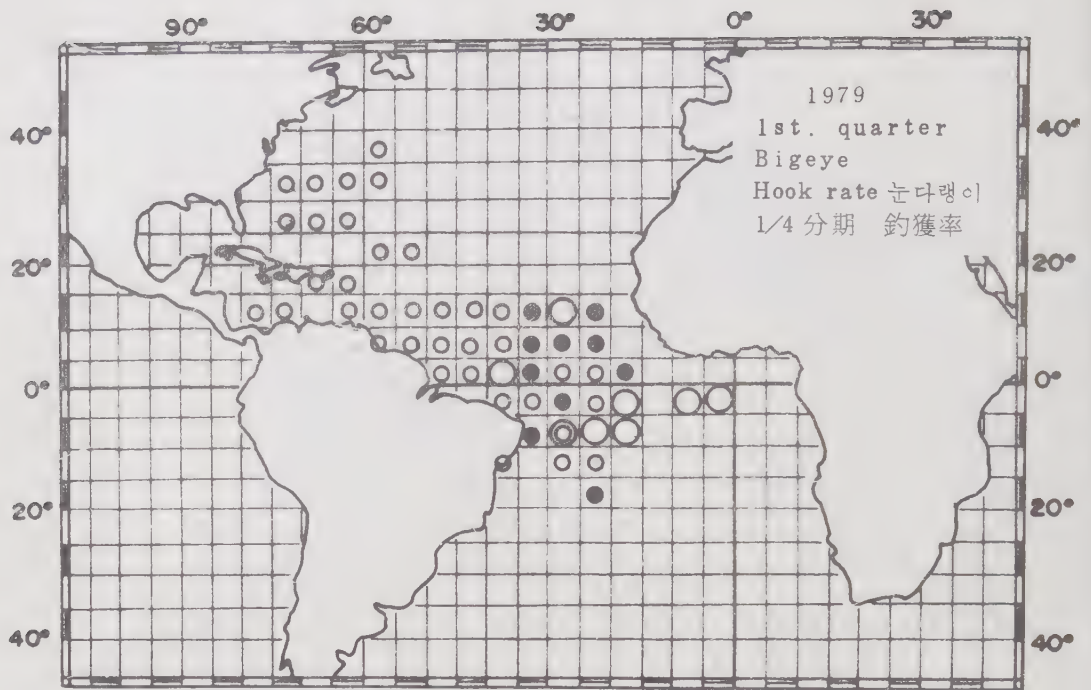


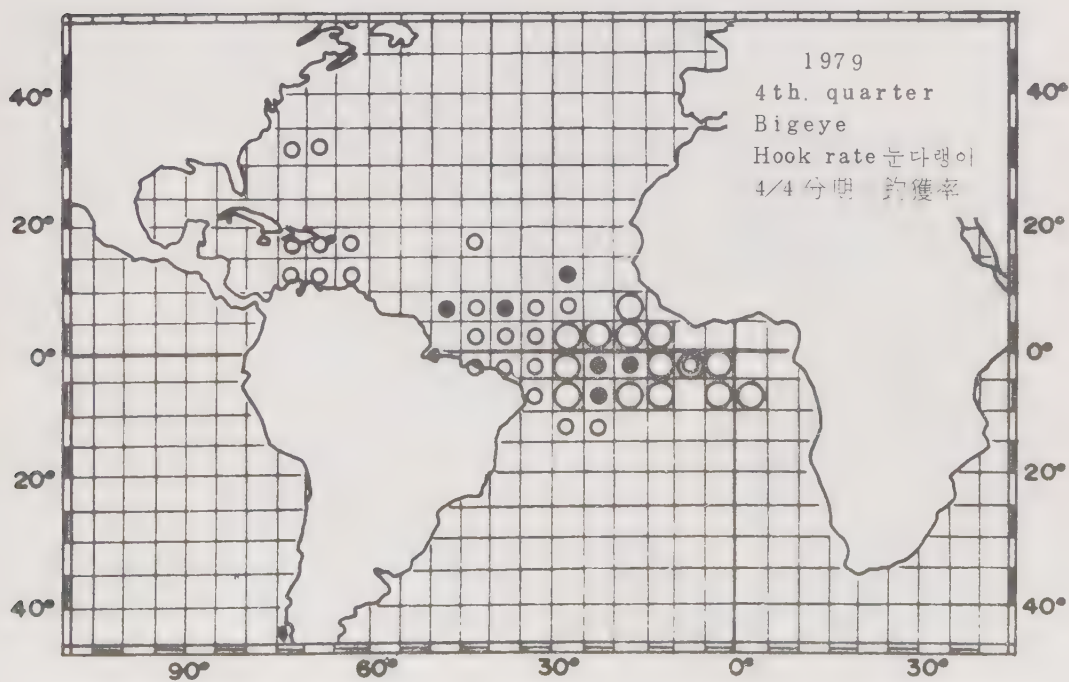
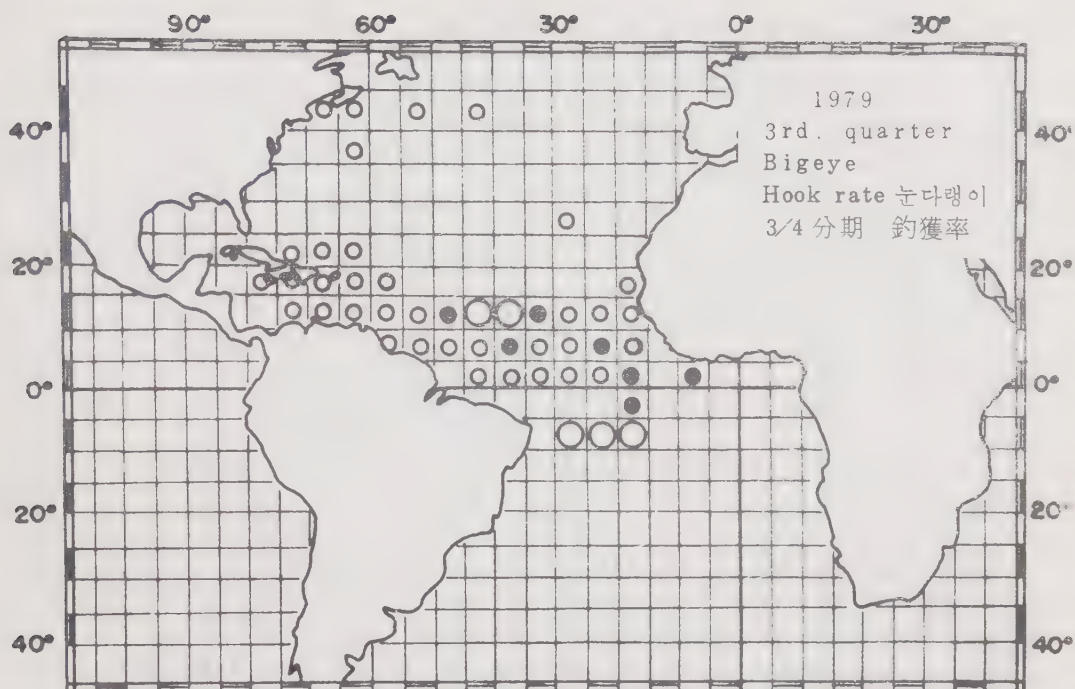
눈 다 랭 이  
Bigeye

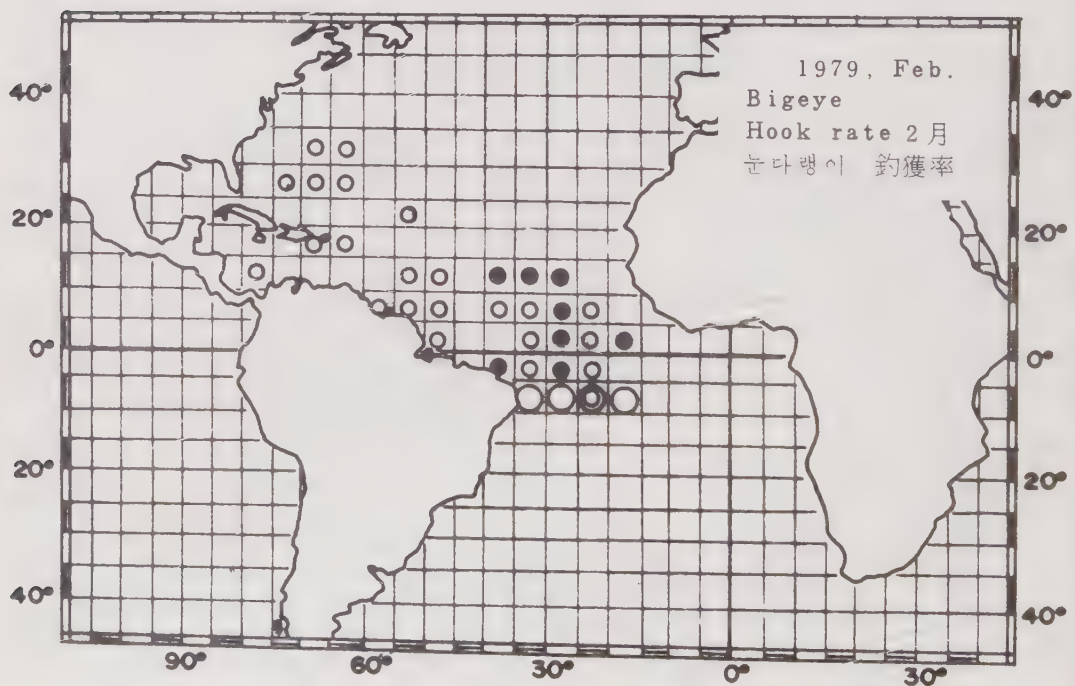
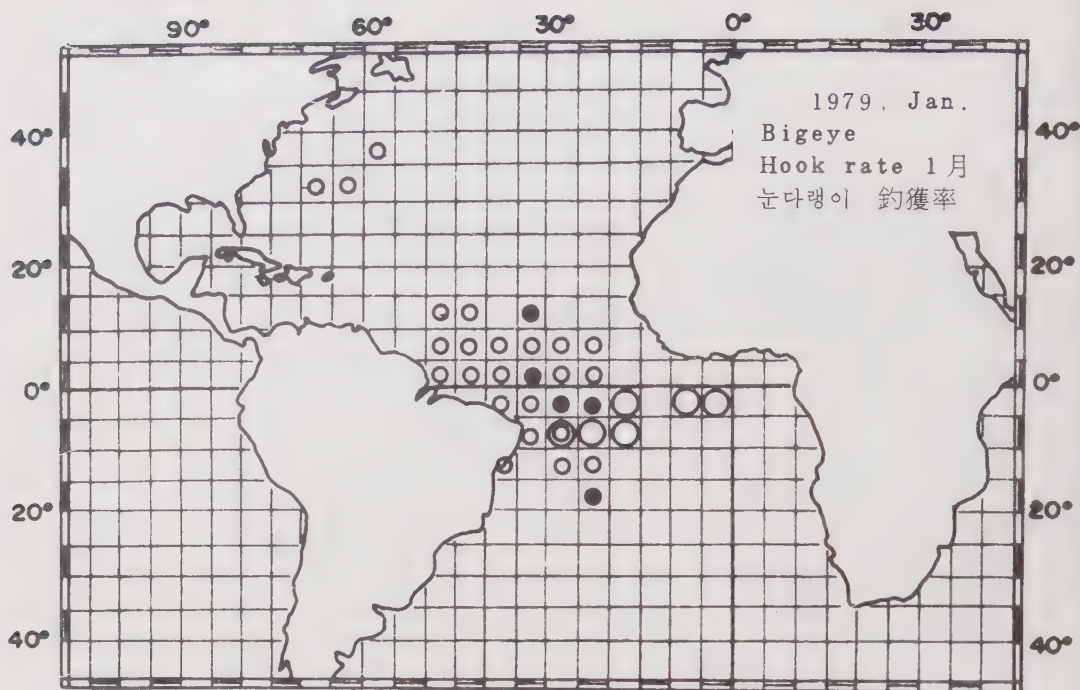




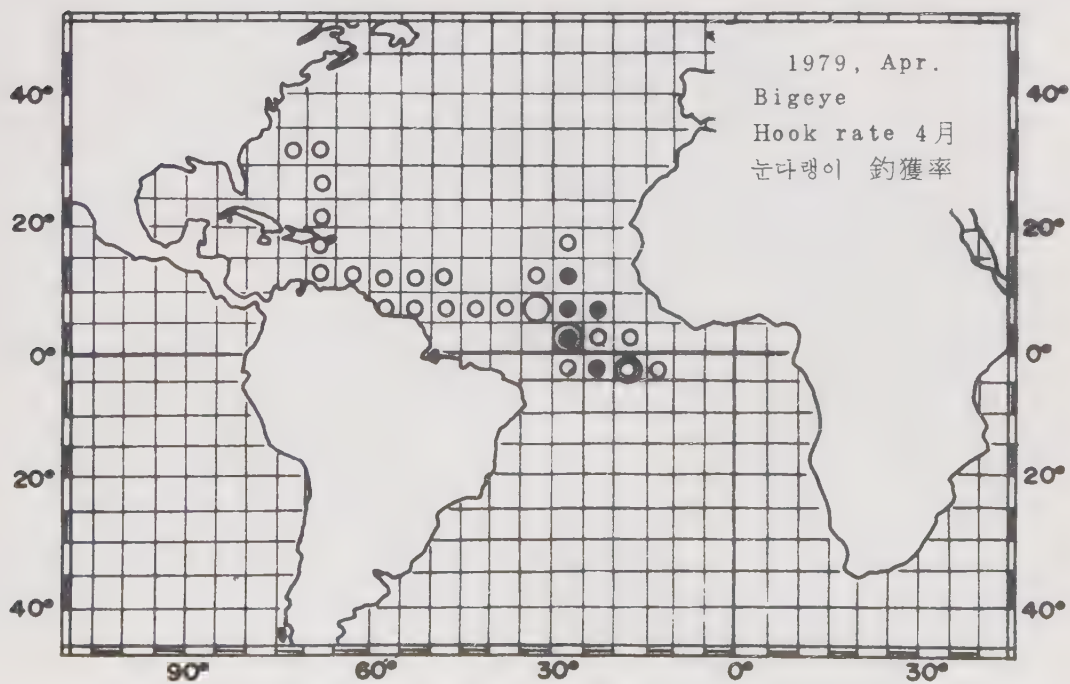
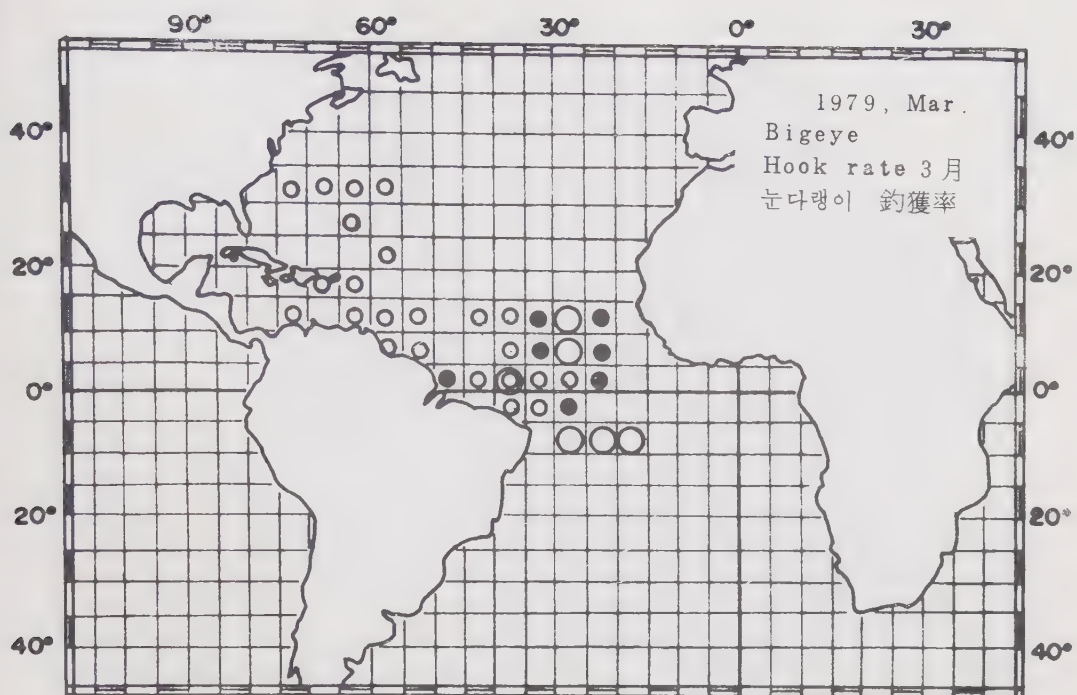


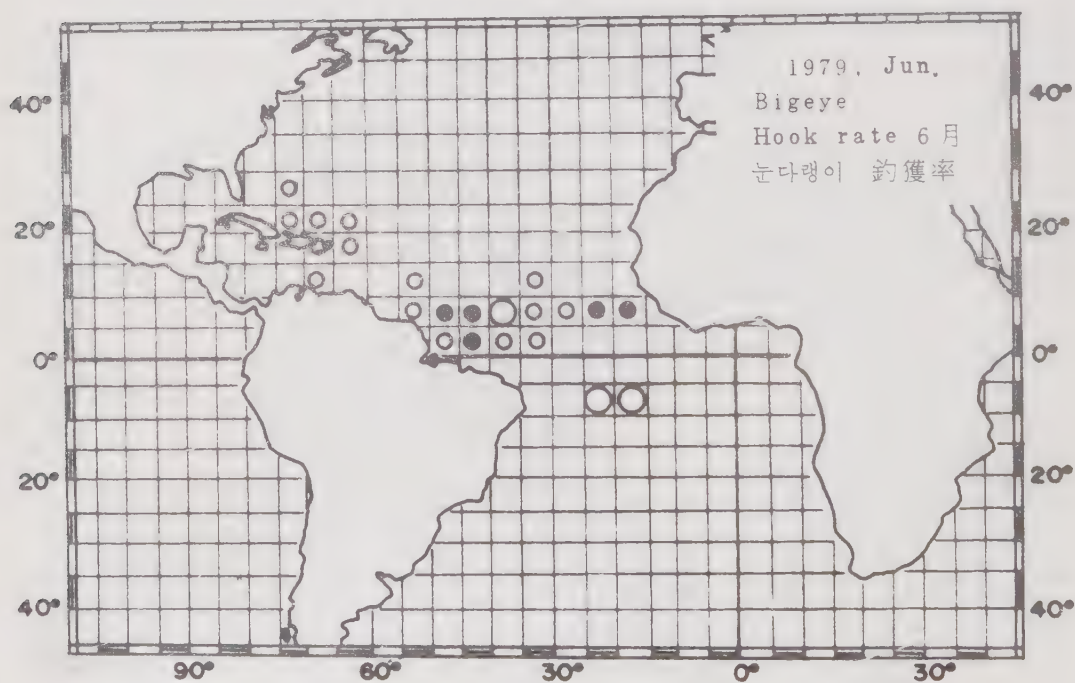
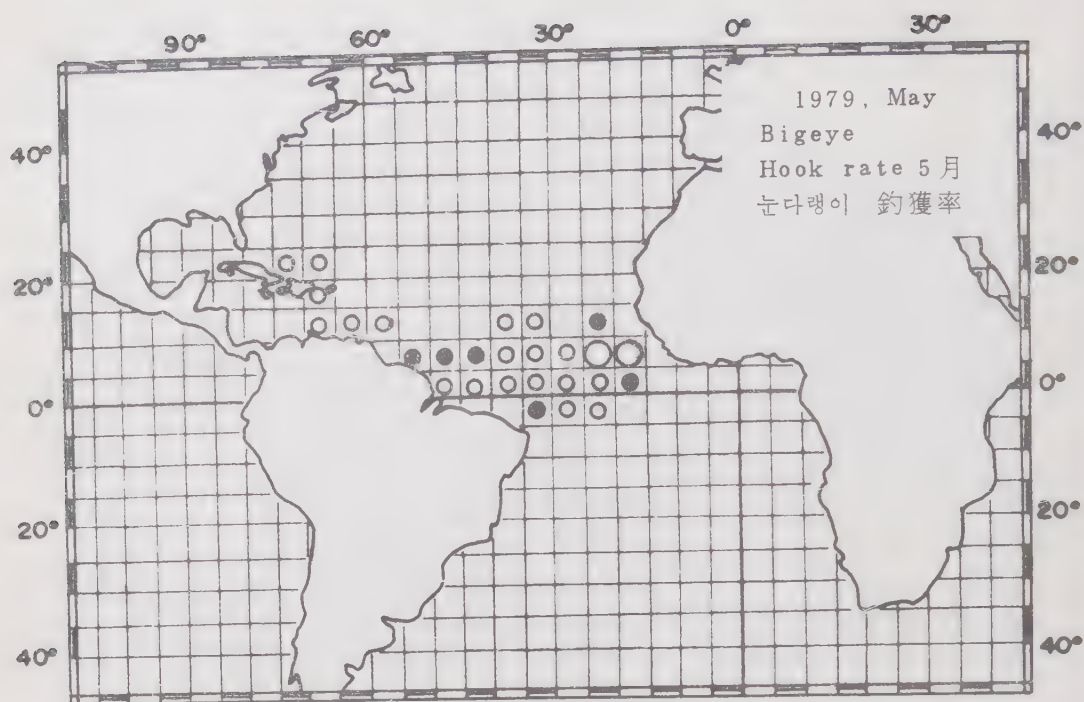


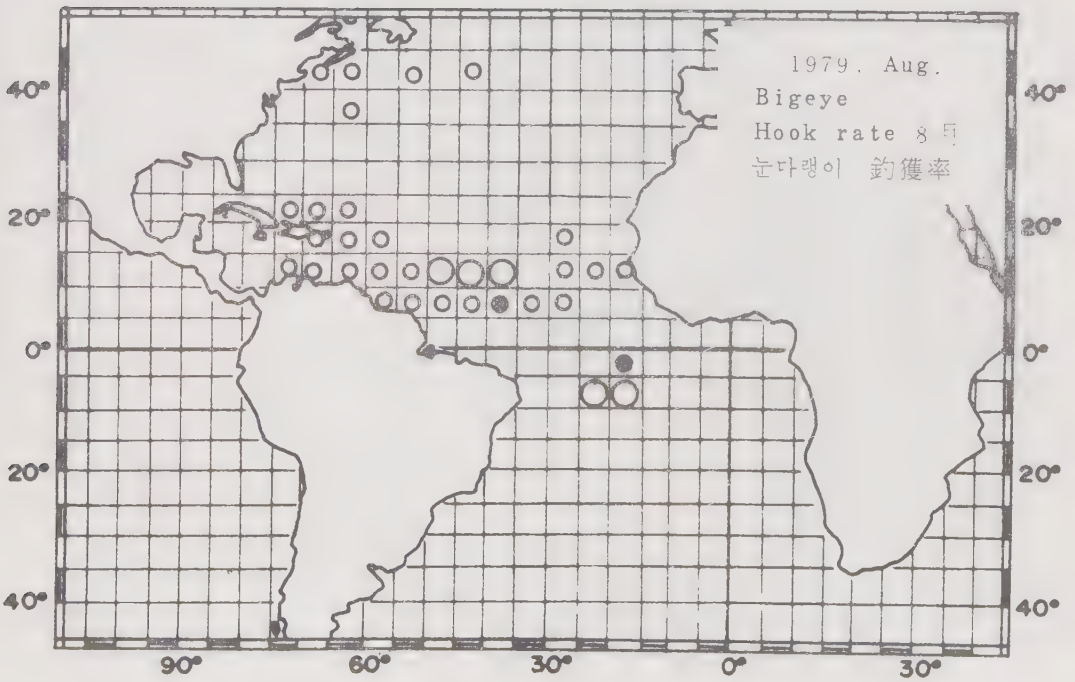
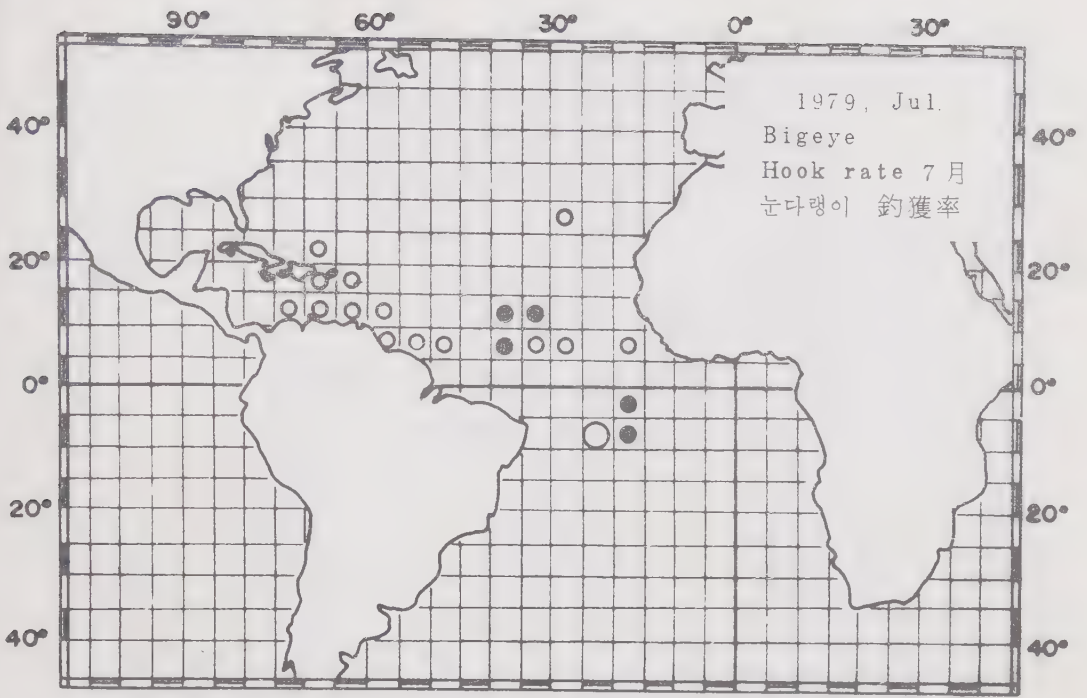




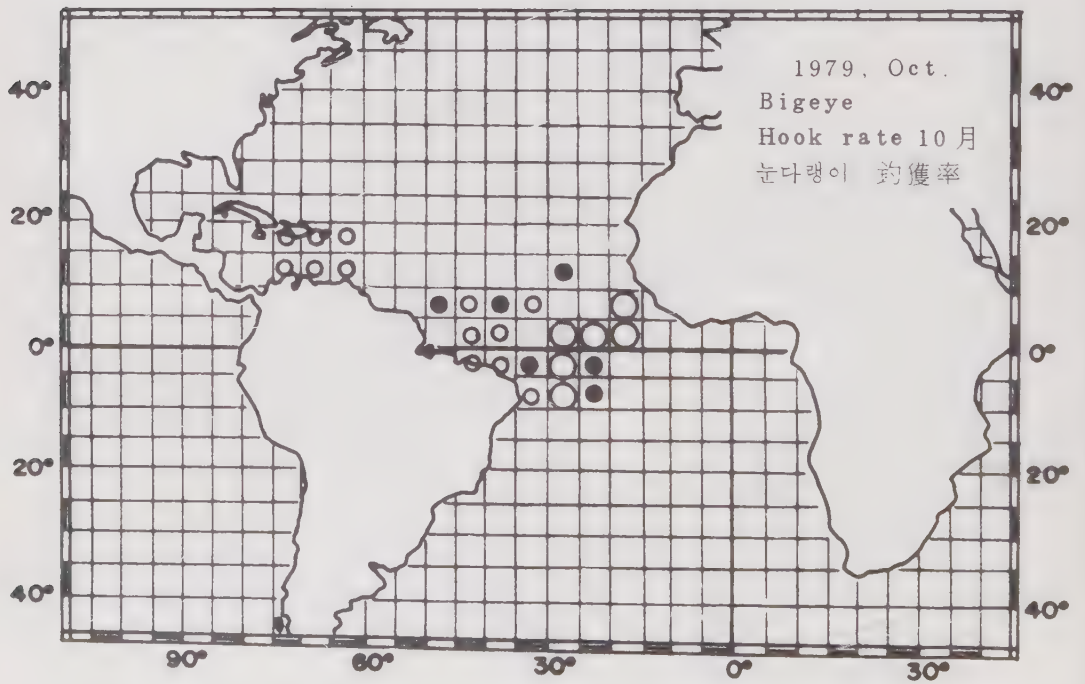
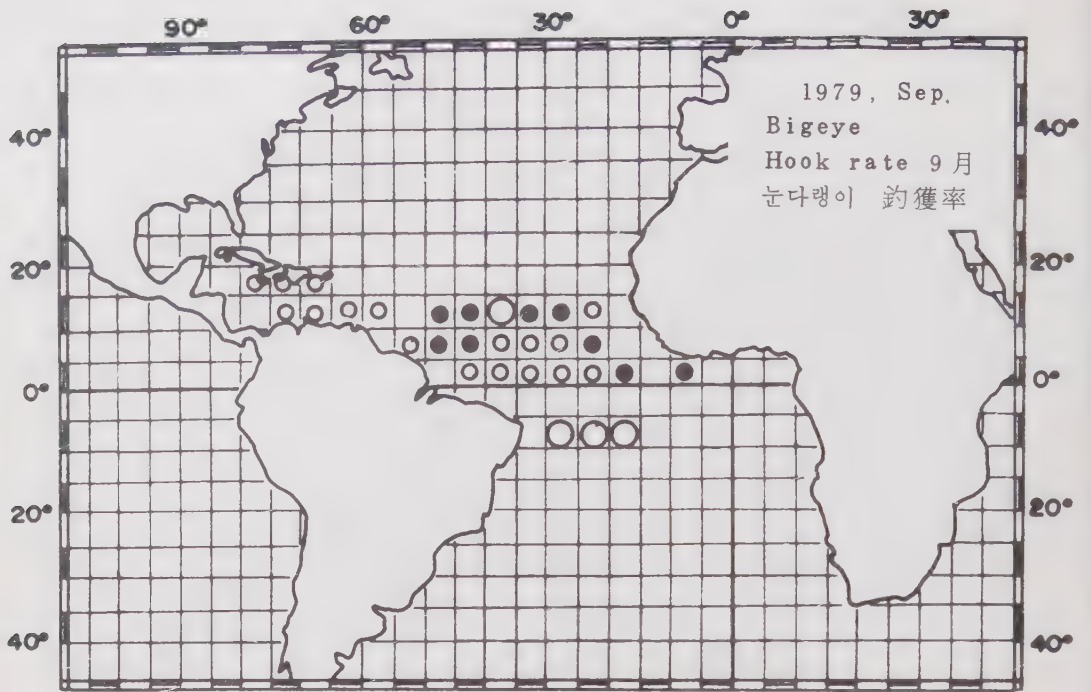


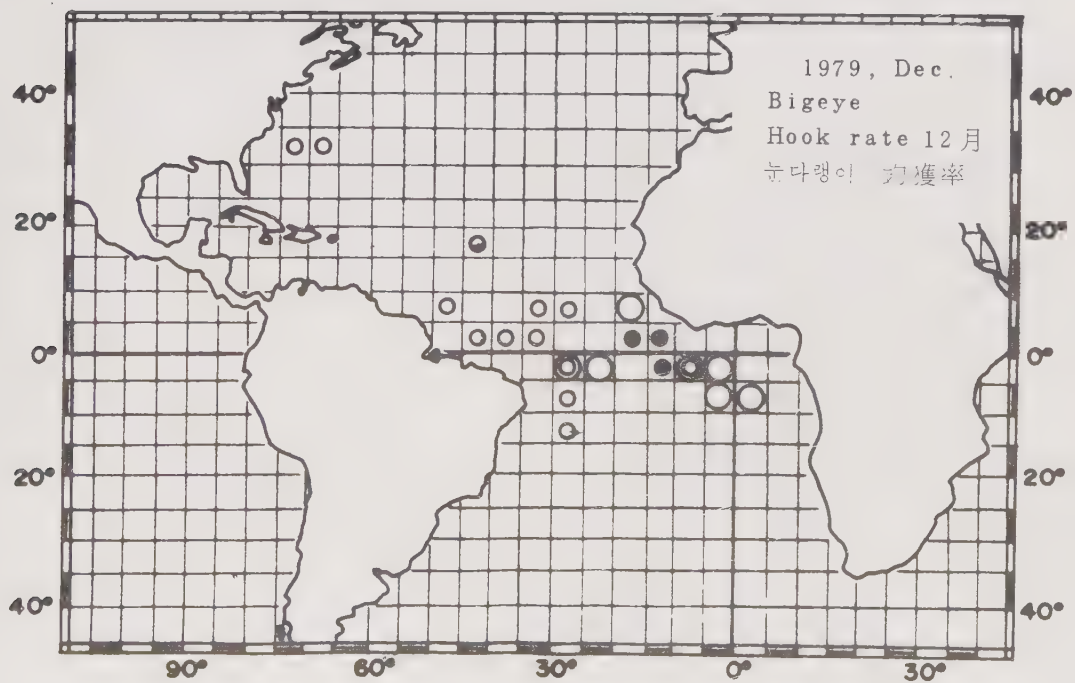
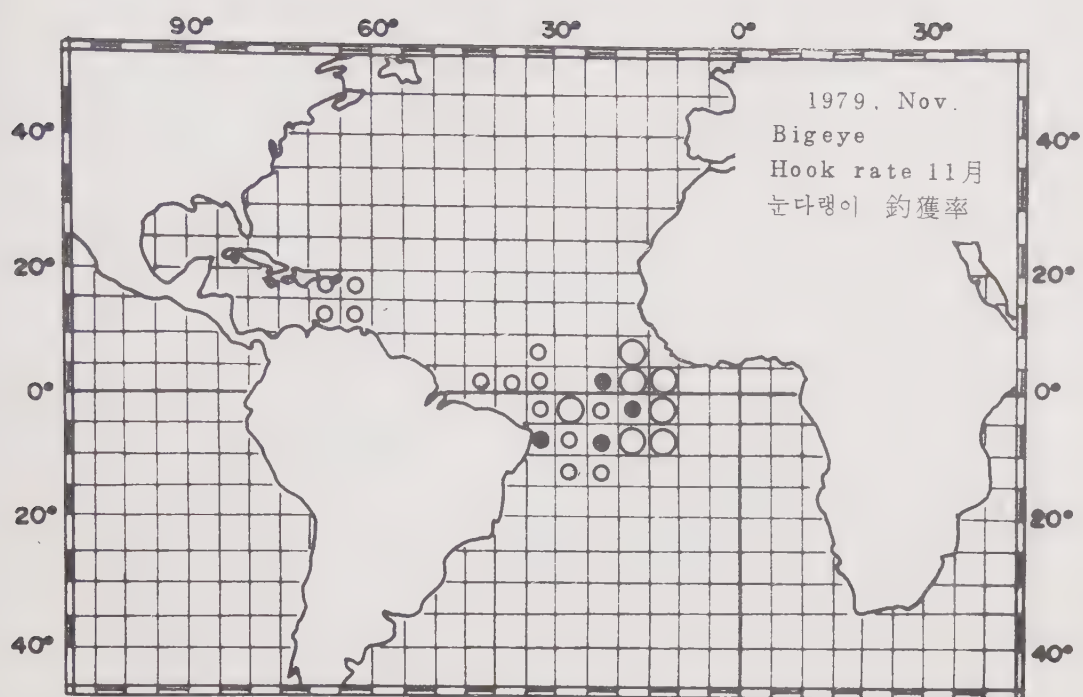
















1. 全魚種의 分期別 月別 釣獲率 및 努力量 分布圖

Distribution of hook rate and fishing effort of all species by month and by quarter

2. 魚種別 分期別 月別 釣獲率 및 努力量 分布圖

날개다랭이, 황다랭이, 눈다랭이

Distribution of hook rate and fishing effort by species by month and by quarter

Albacore, Yellowfin, Bigeye



## 全 魚 種

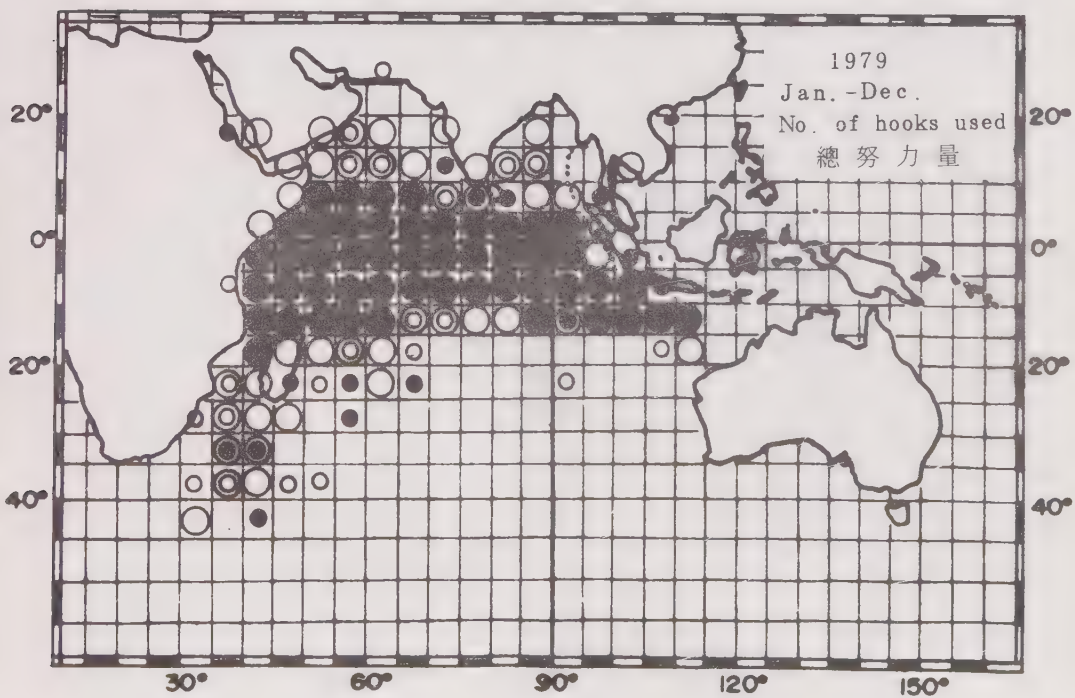
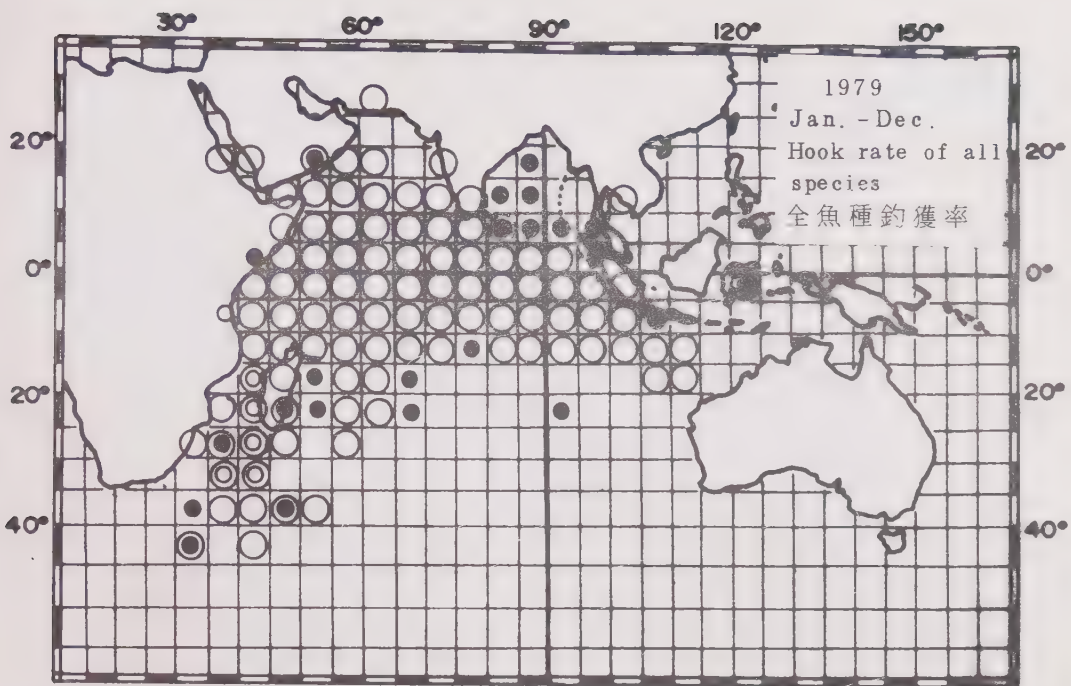
分期別 月別 釣獲率 及 漁獲努力 分布圖

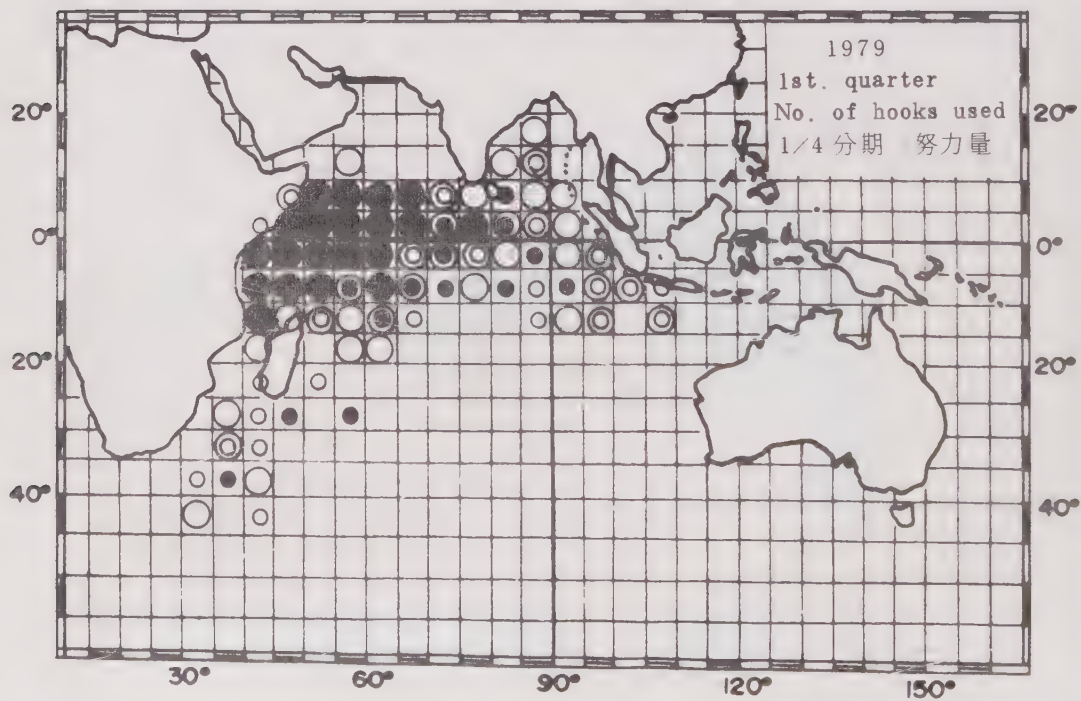
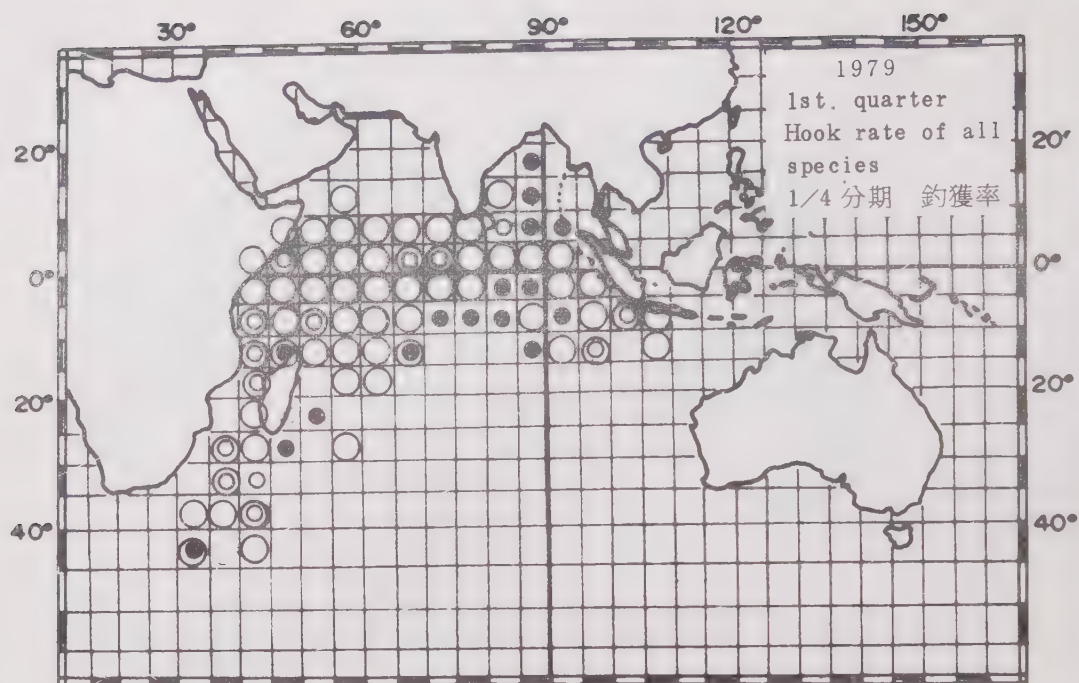
All species

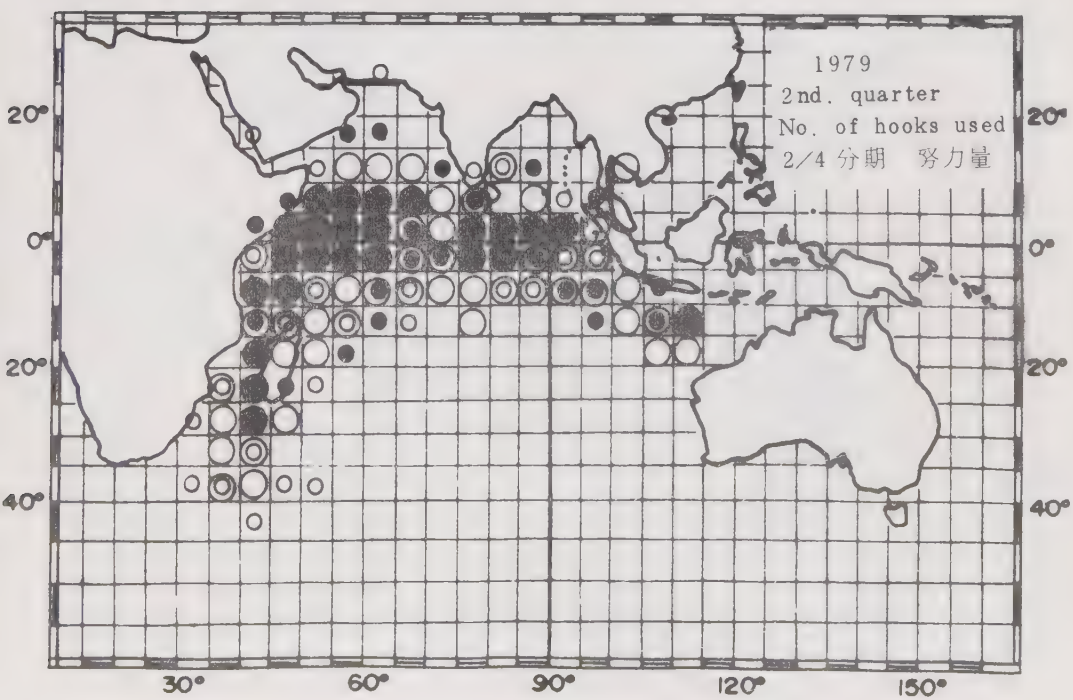
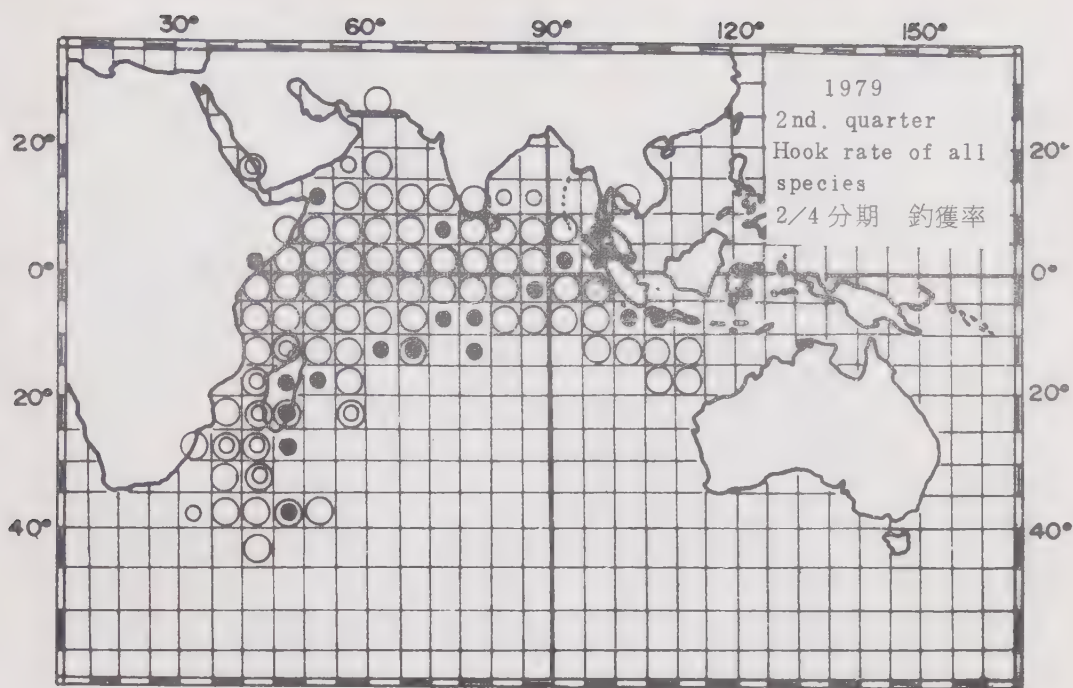
Hook rate and fishing effort by month  
and by quarter



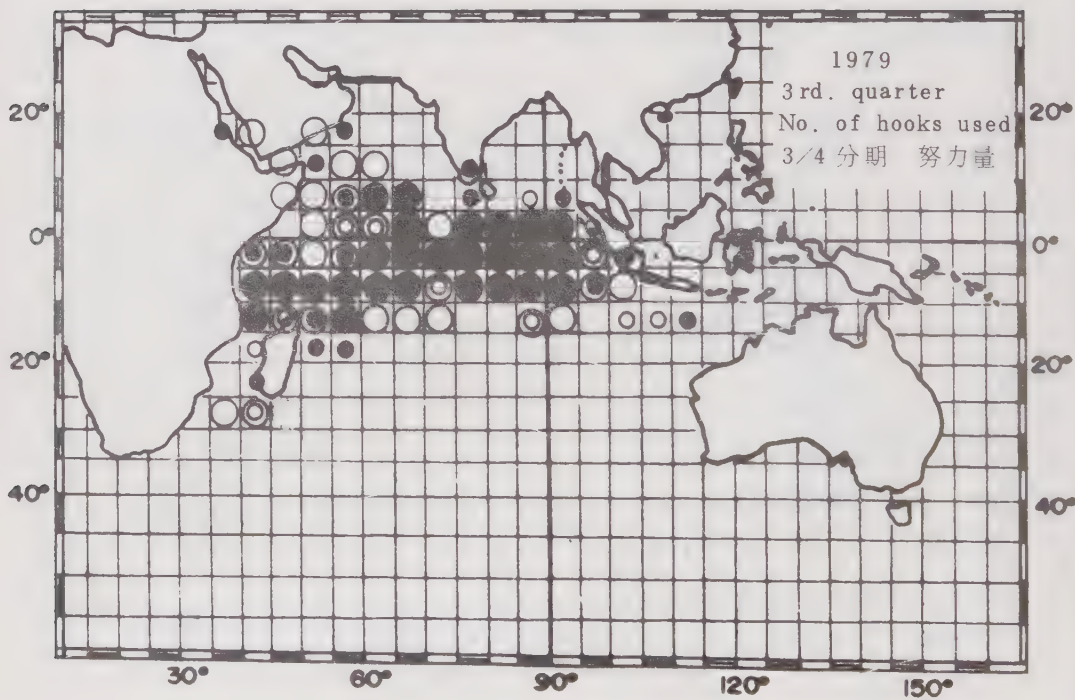
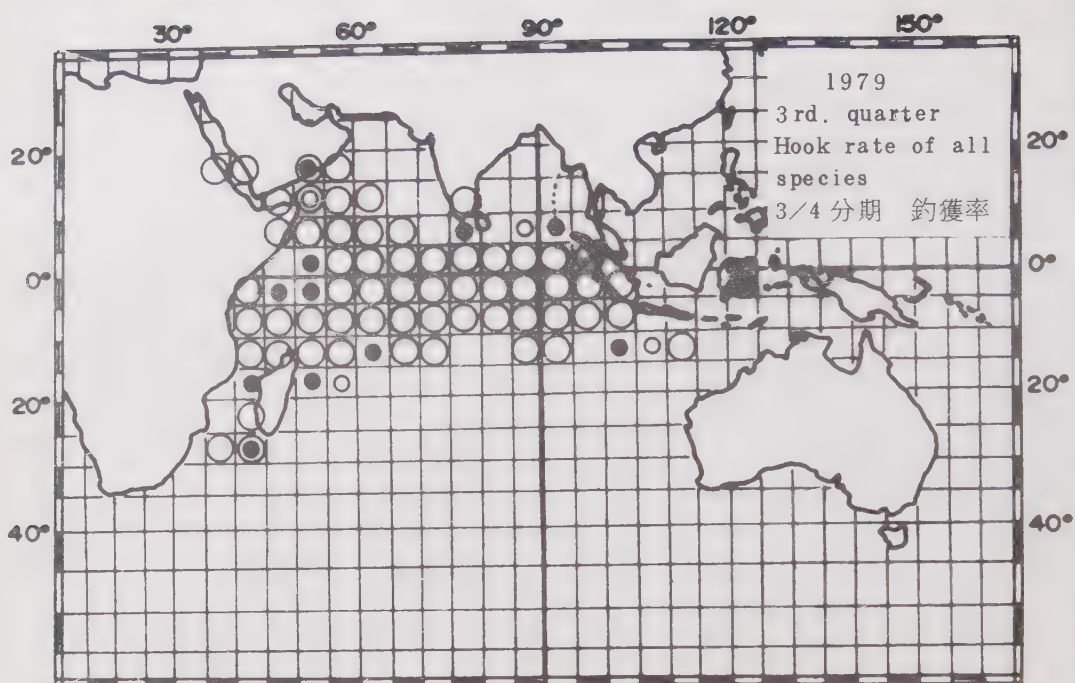


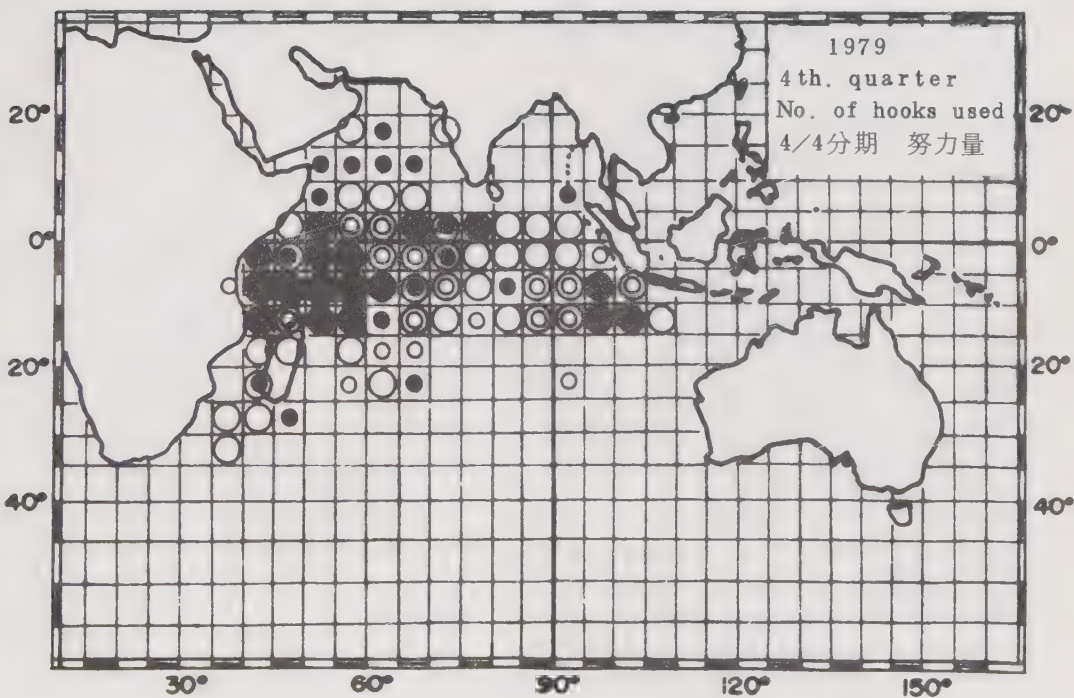
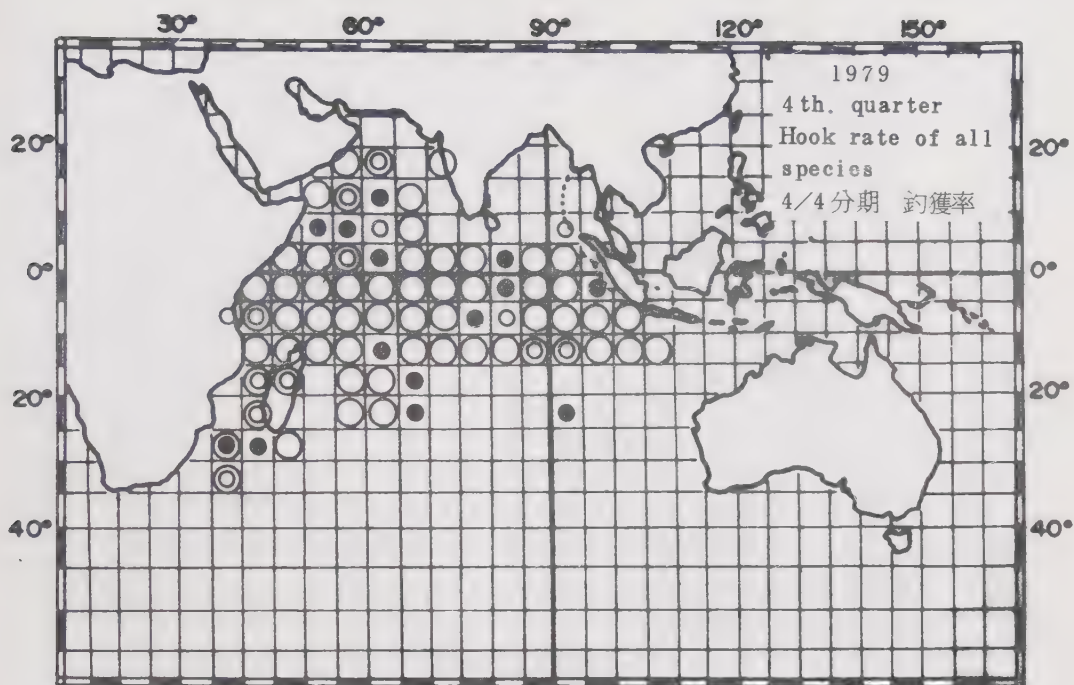


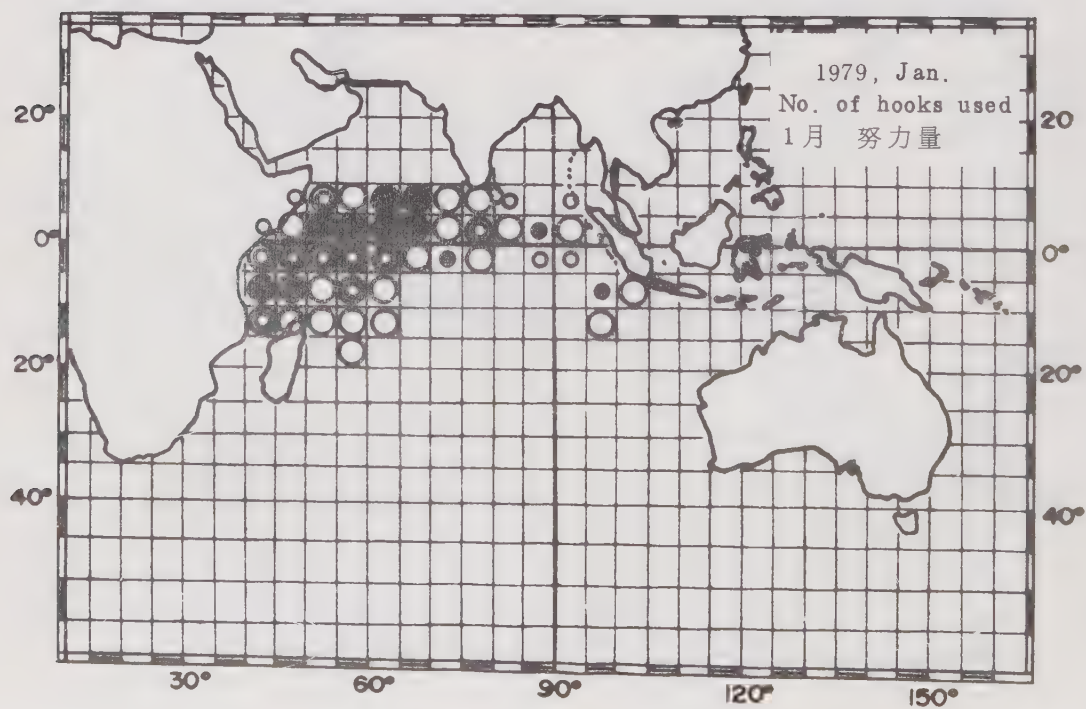
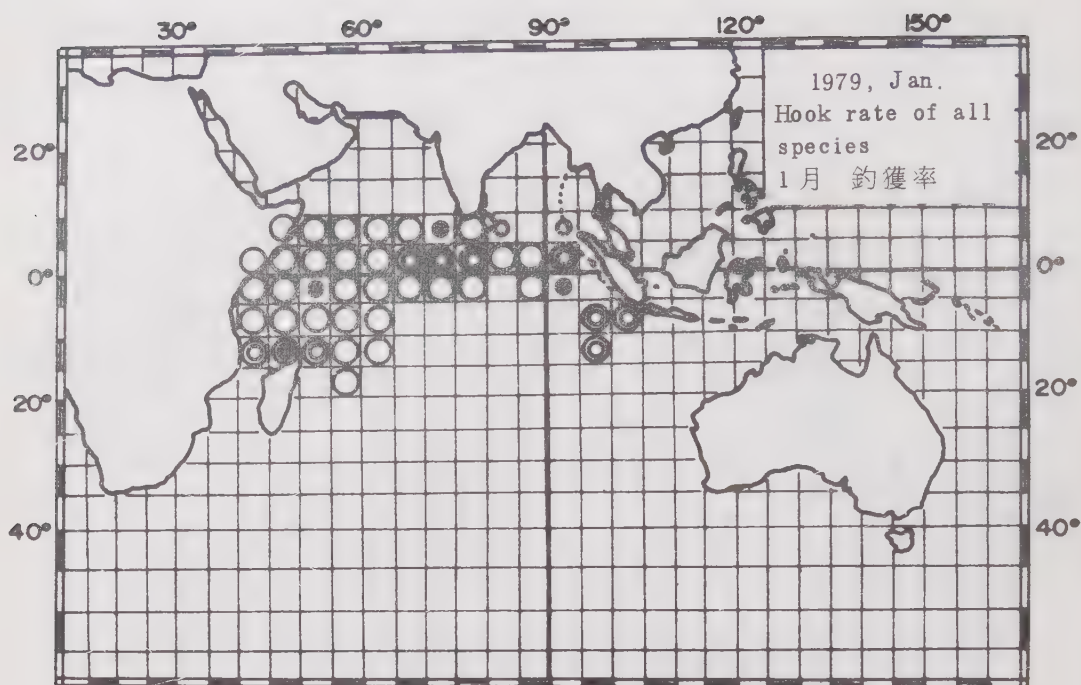




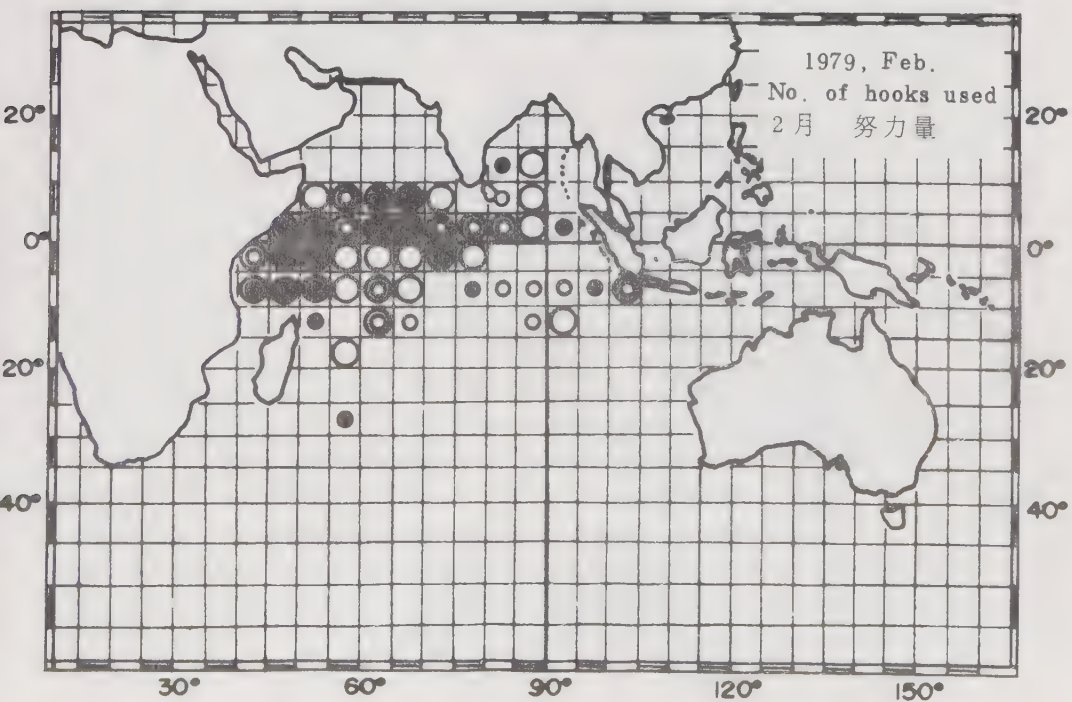
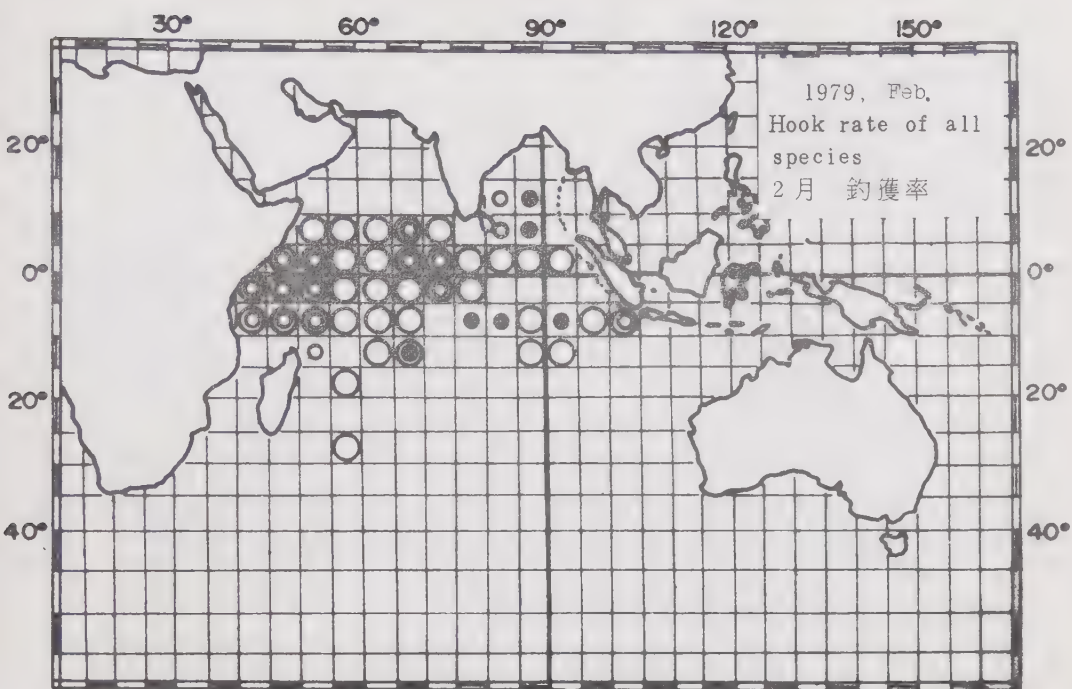




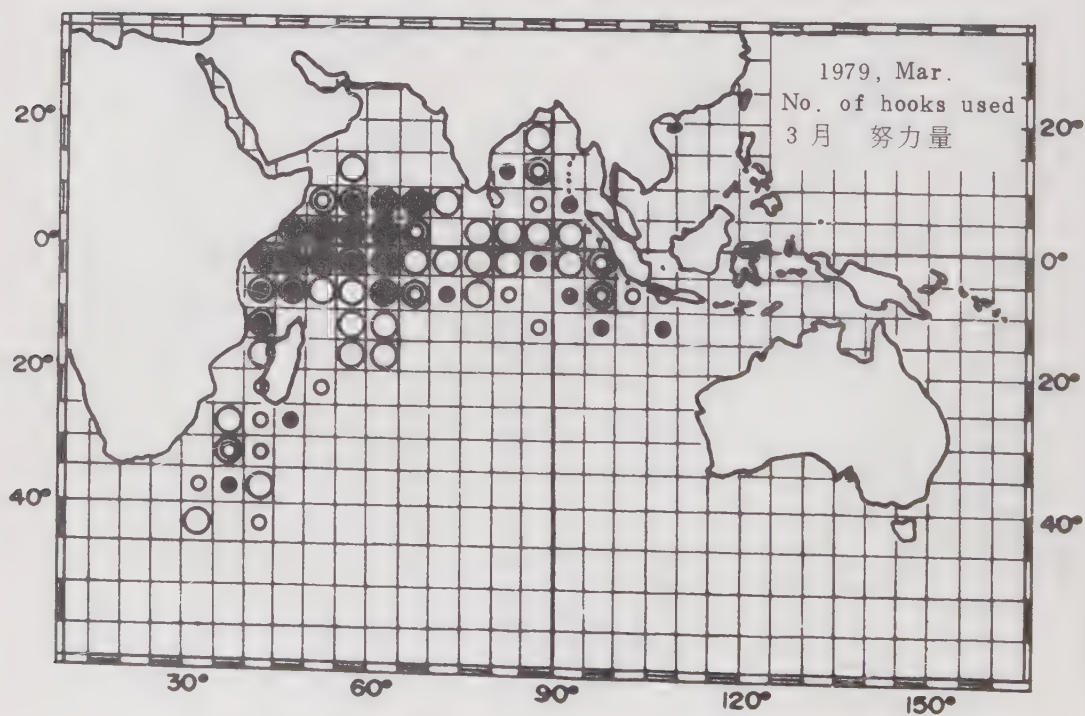
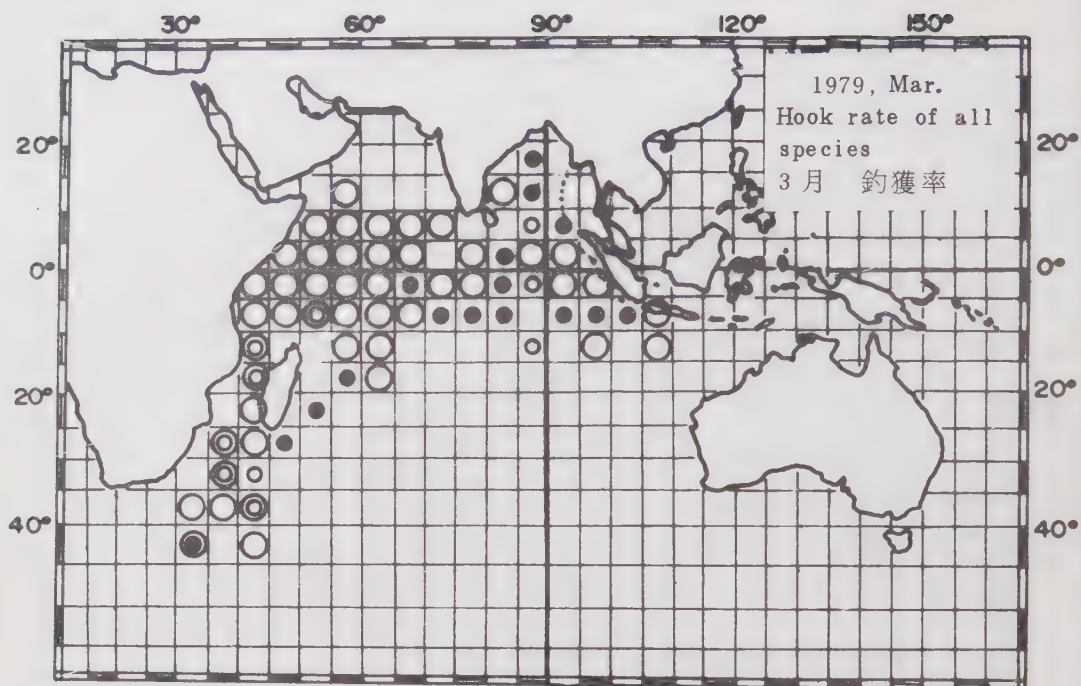


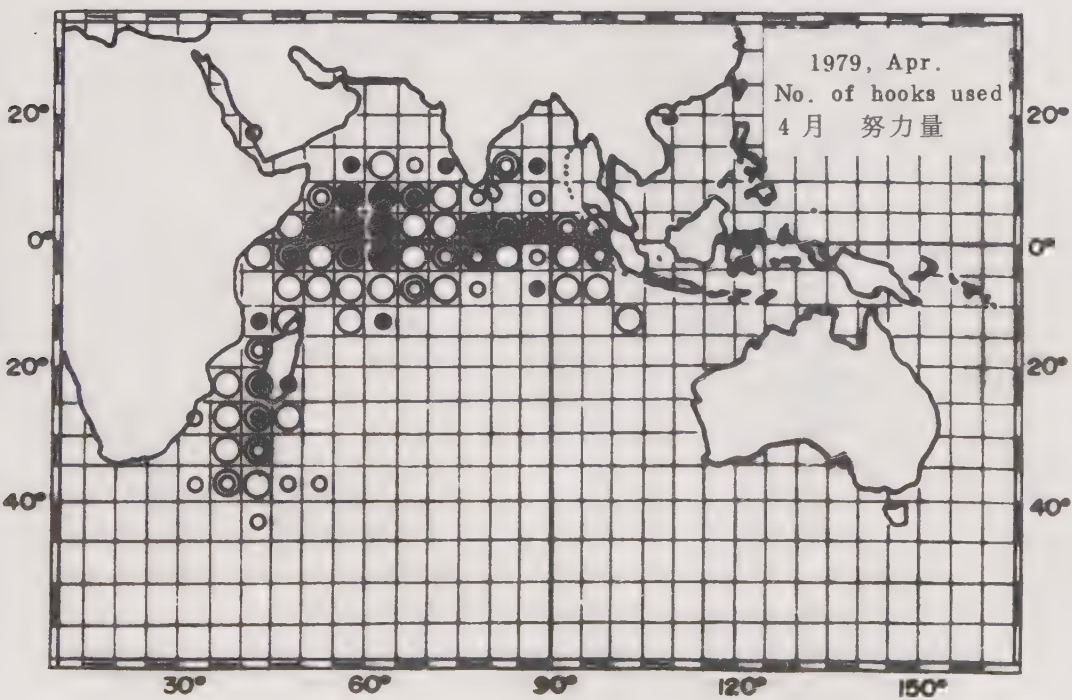
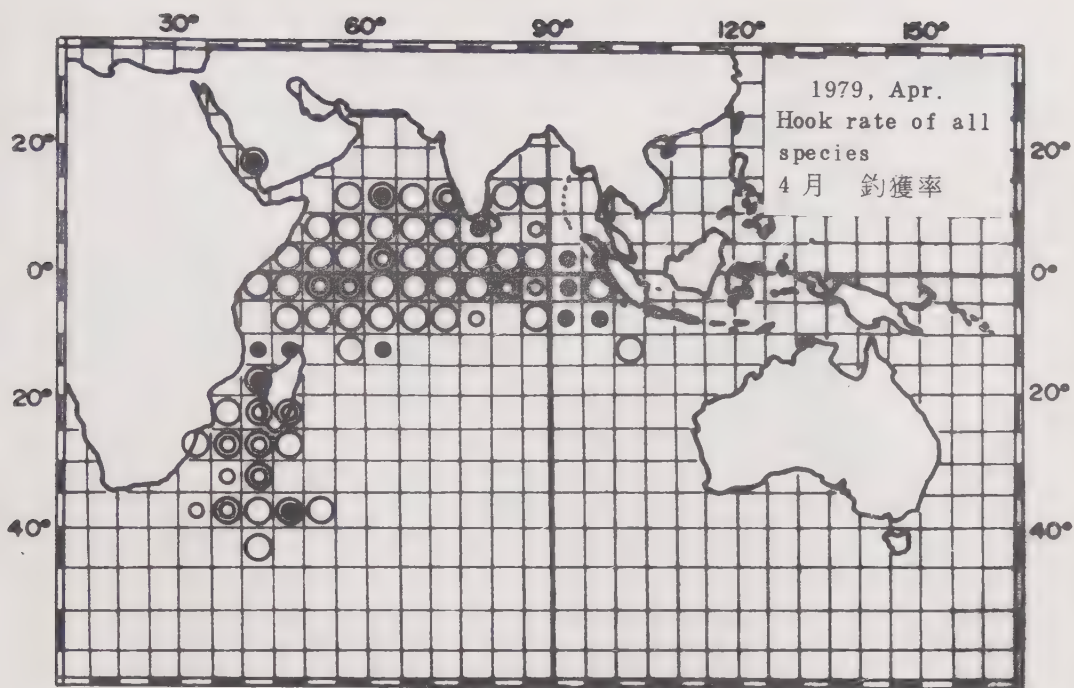


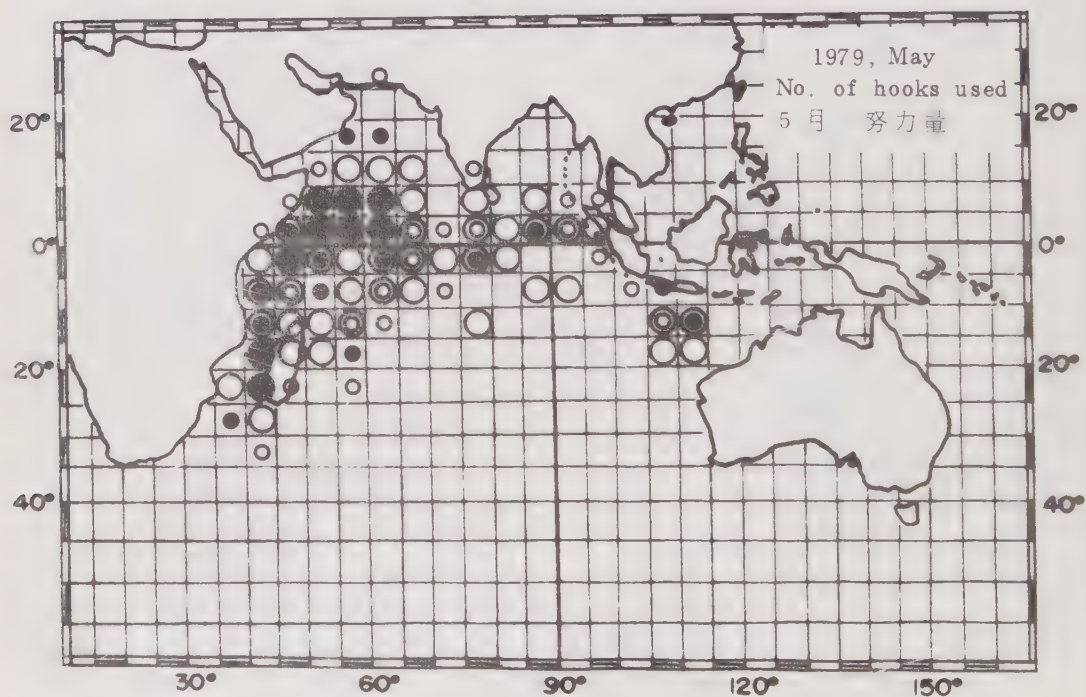
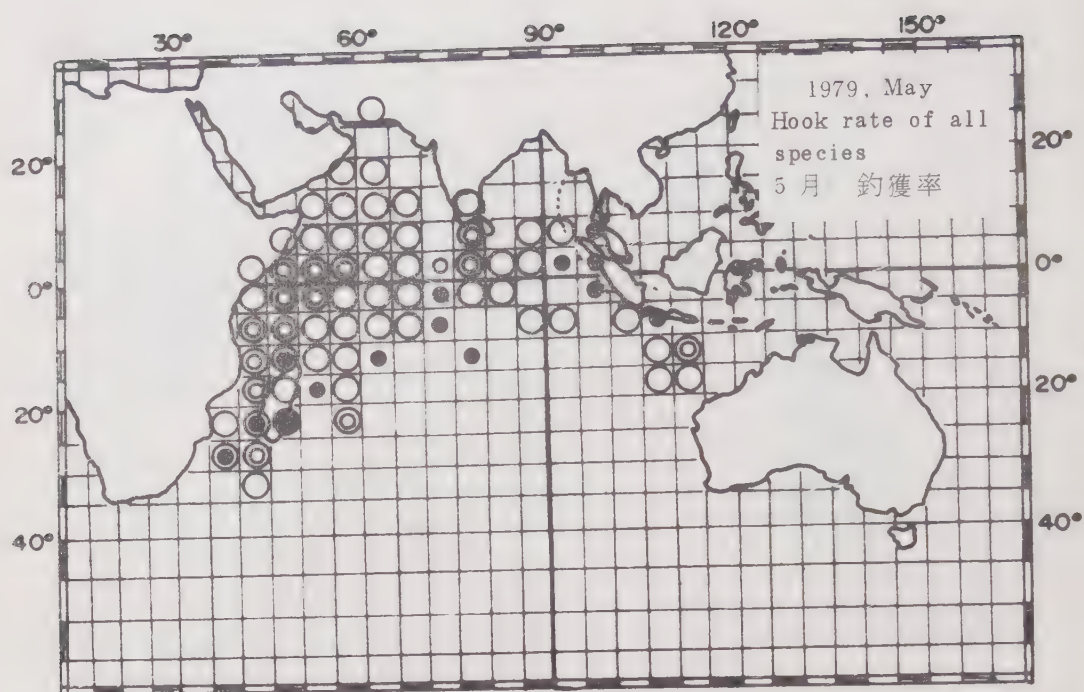




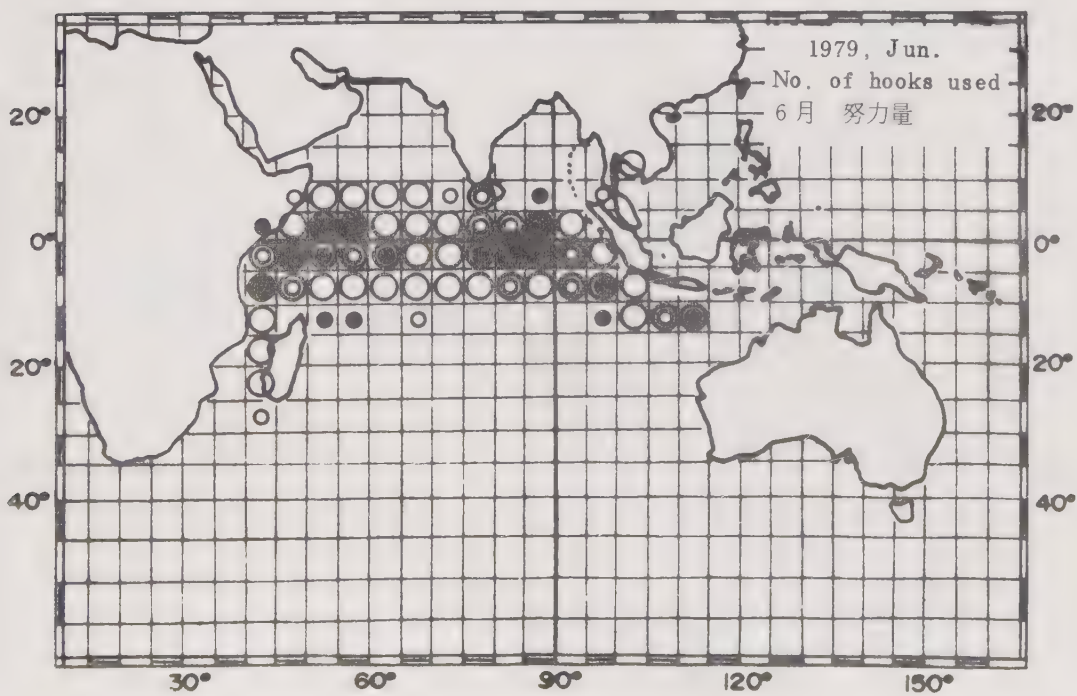
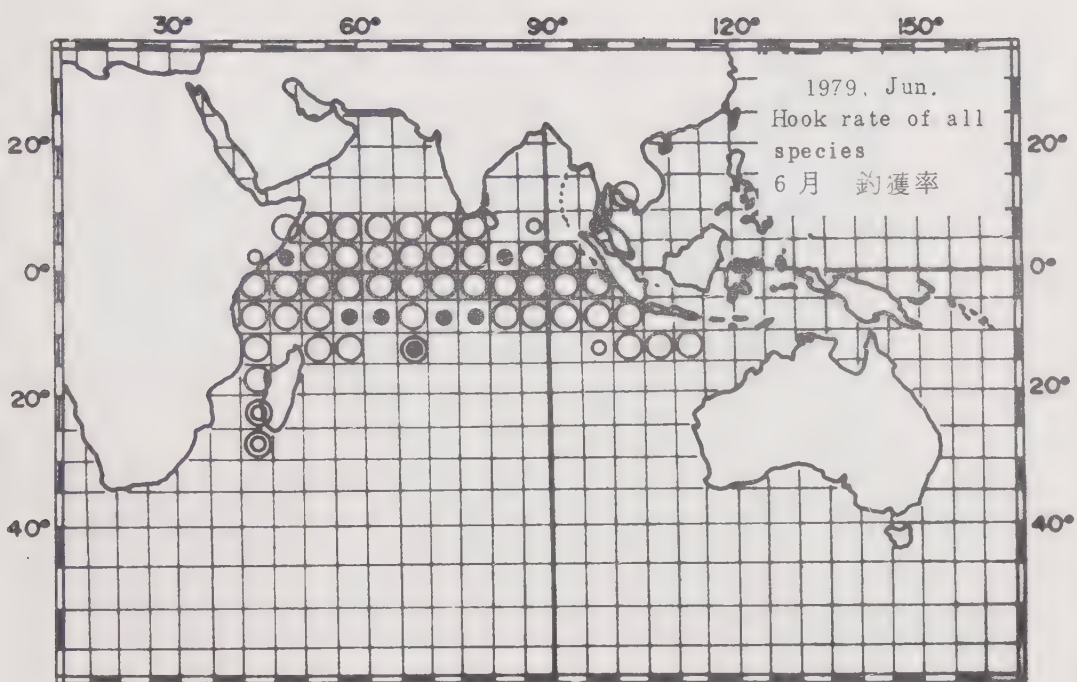


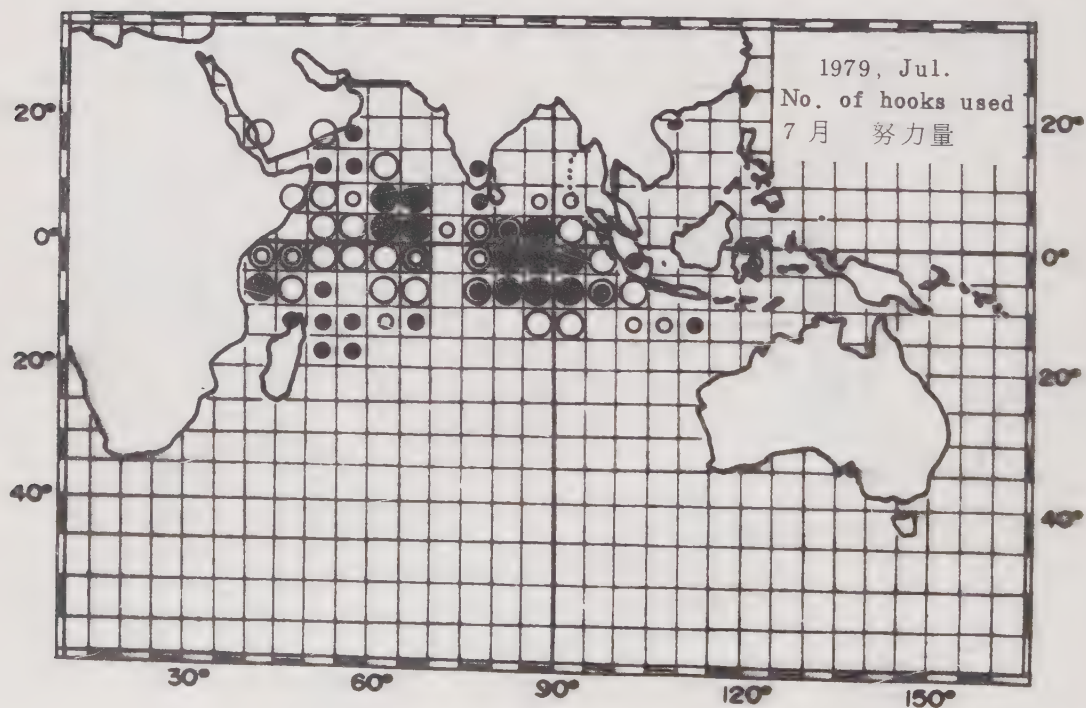
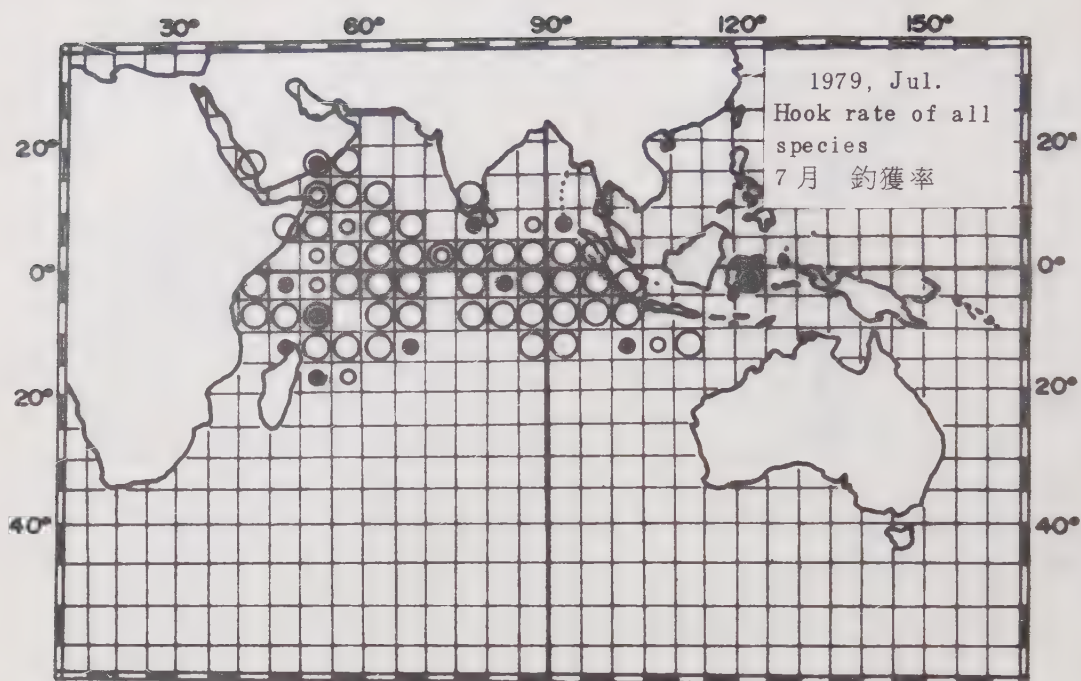


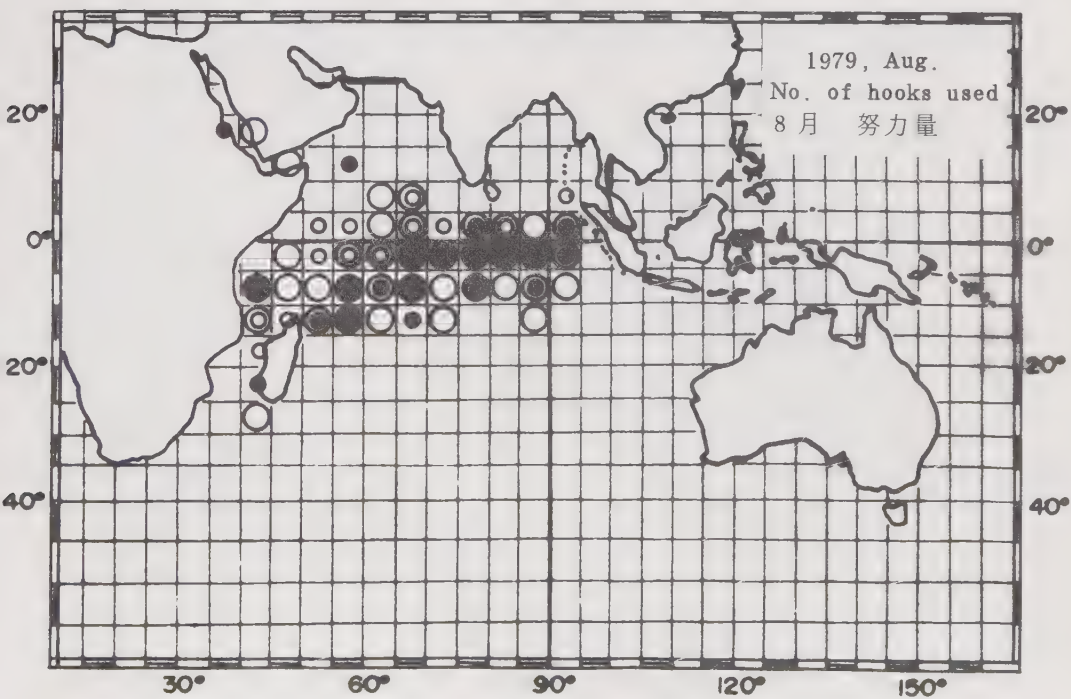
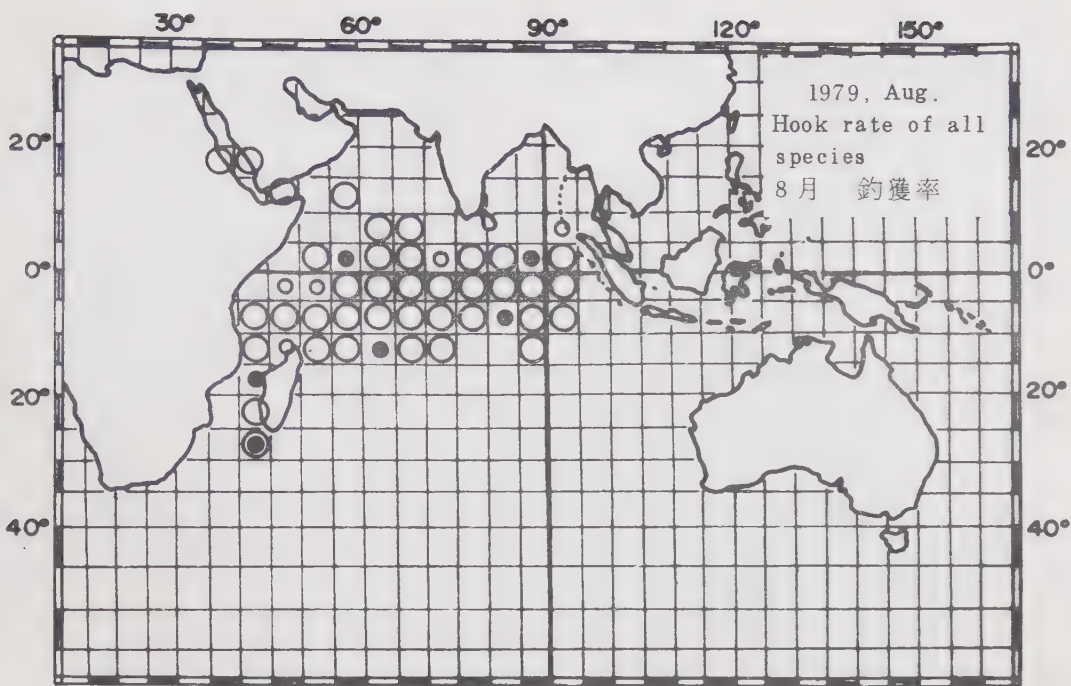




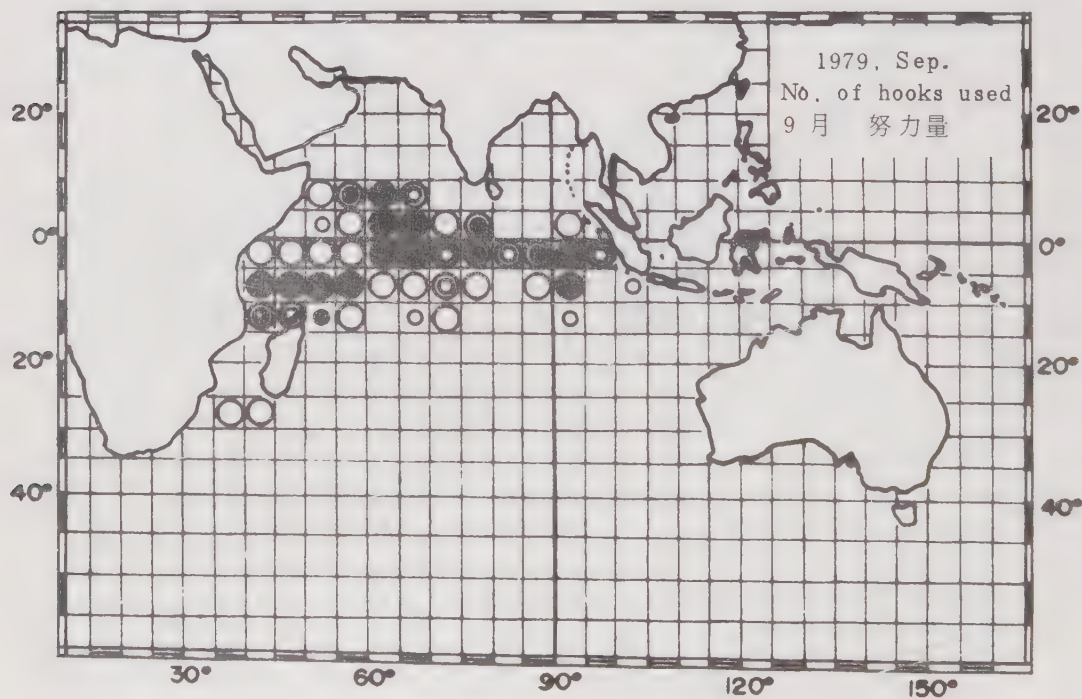
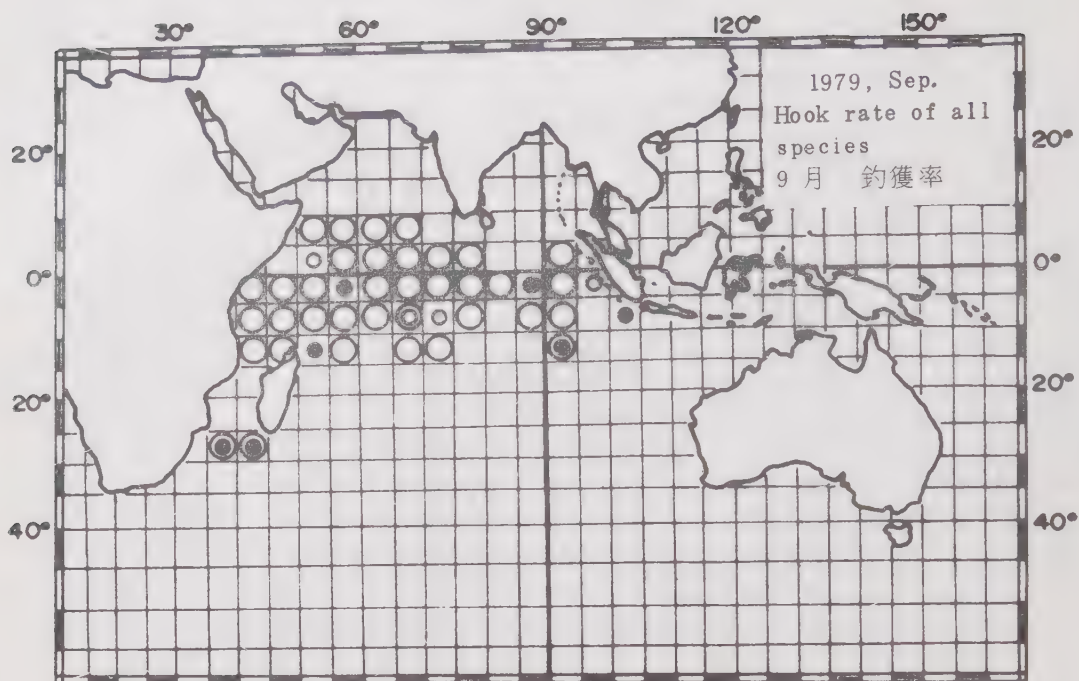




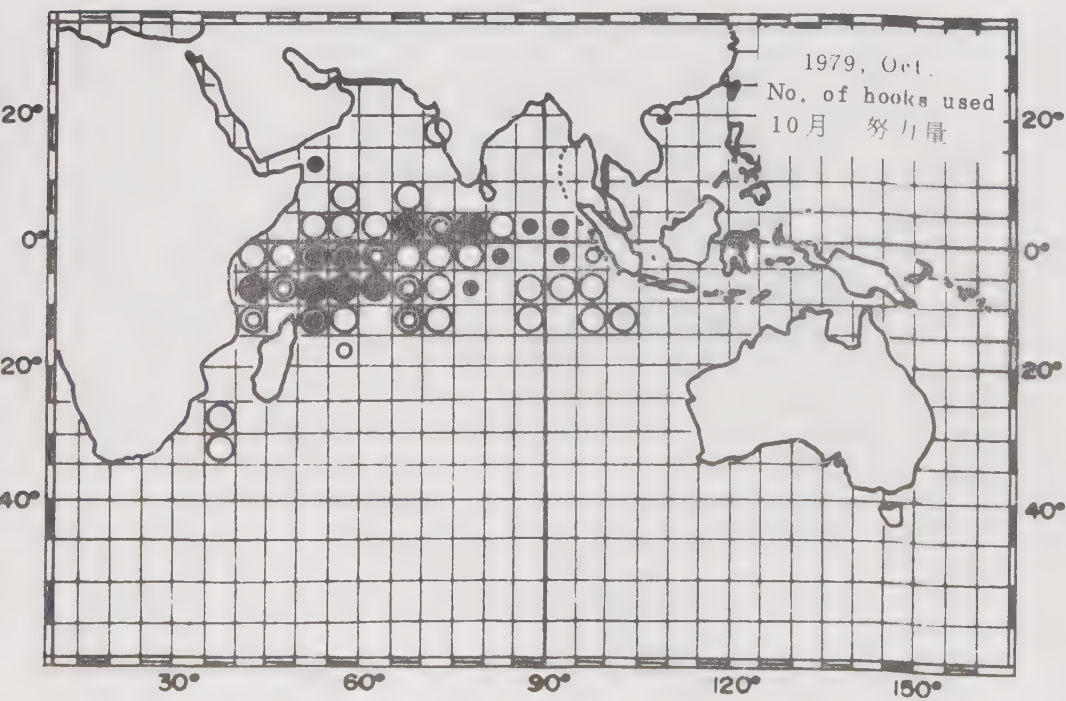
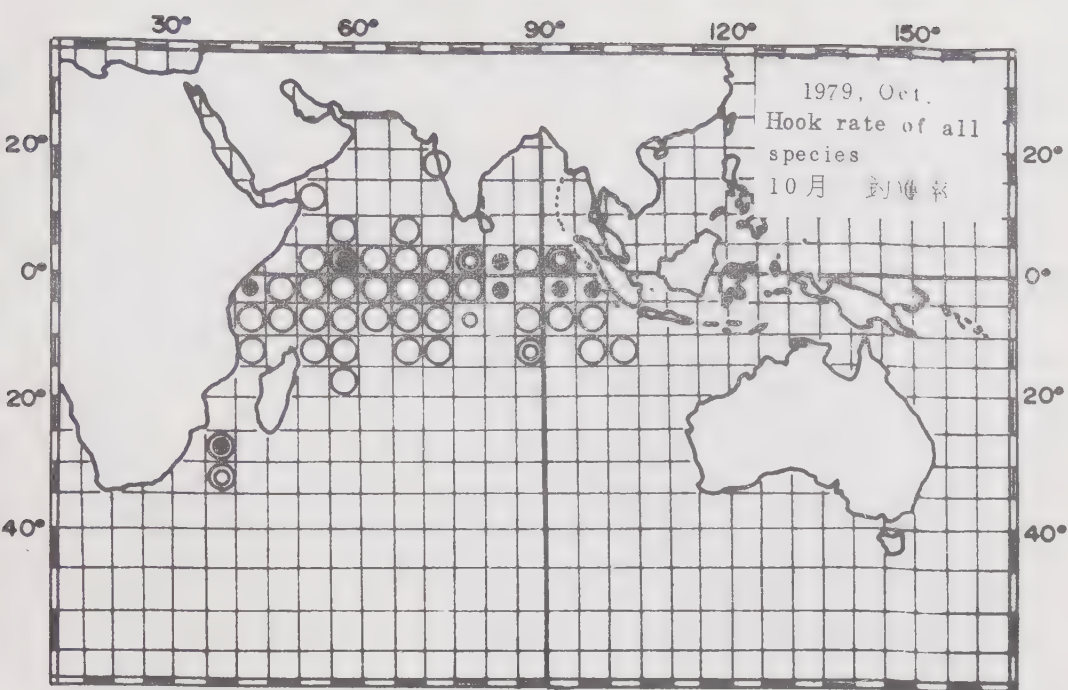


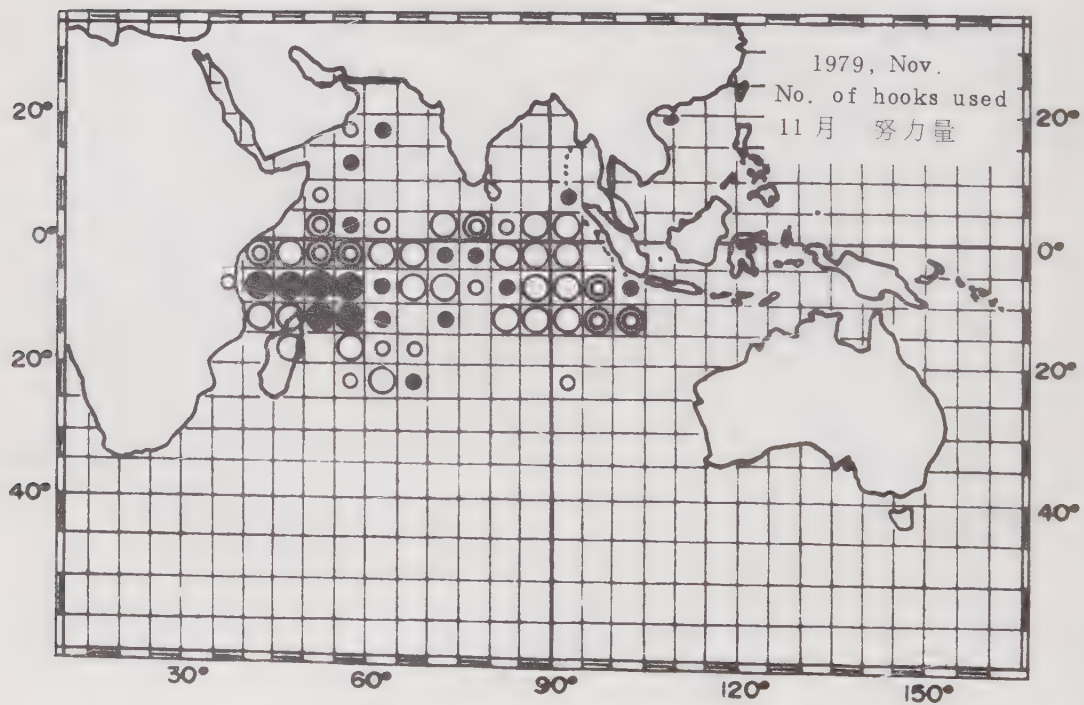
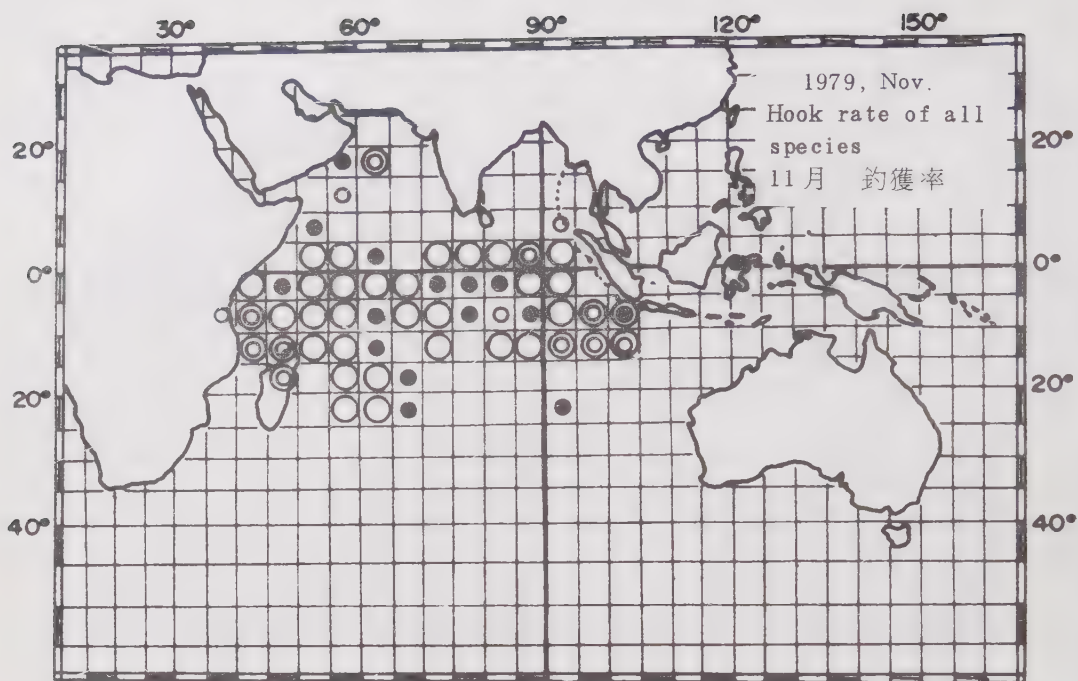


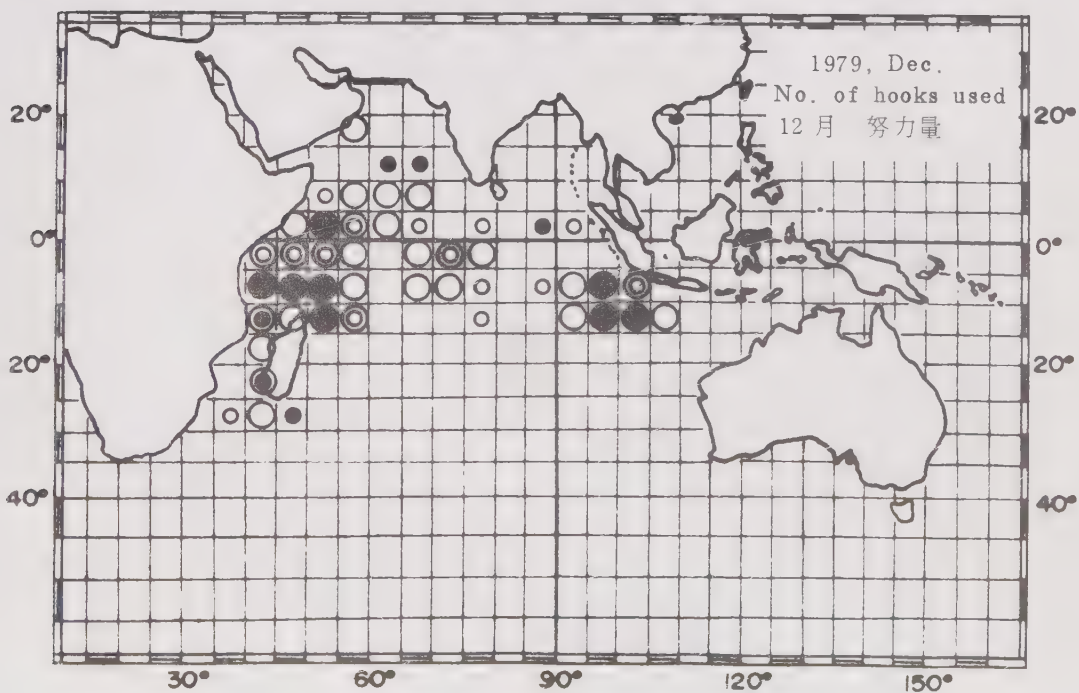
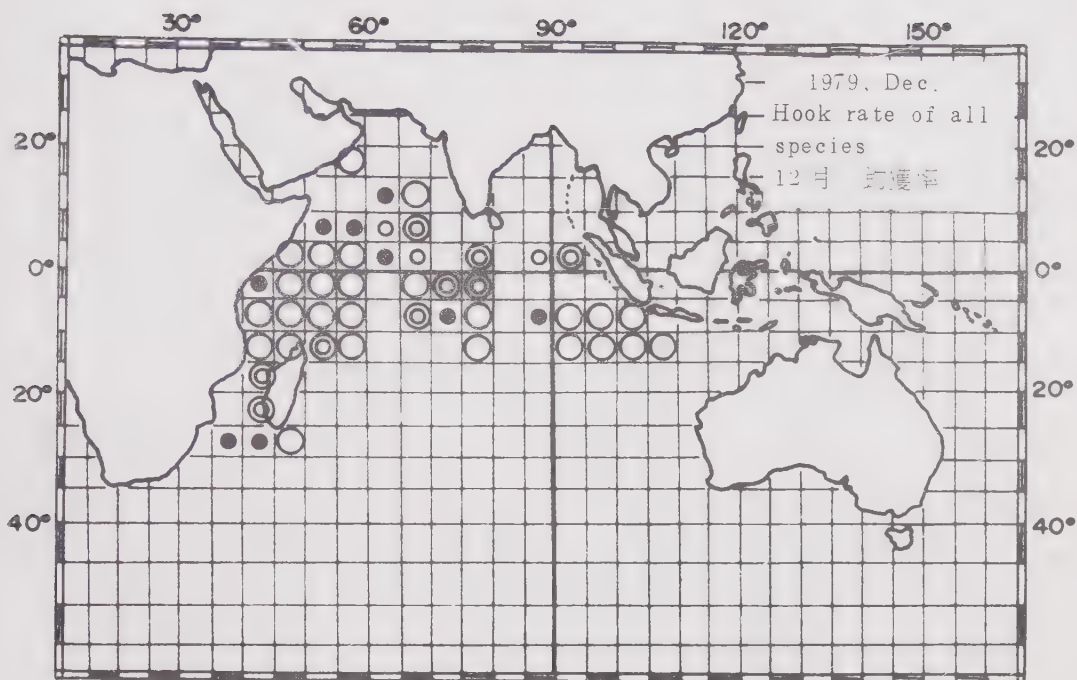














날개다랭이, 황다랭이, 눈다랭이  
釣獲率 및 漁獲努力 分布圖

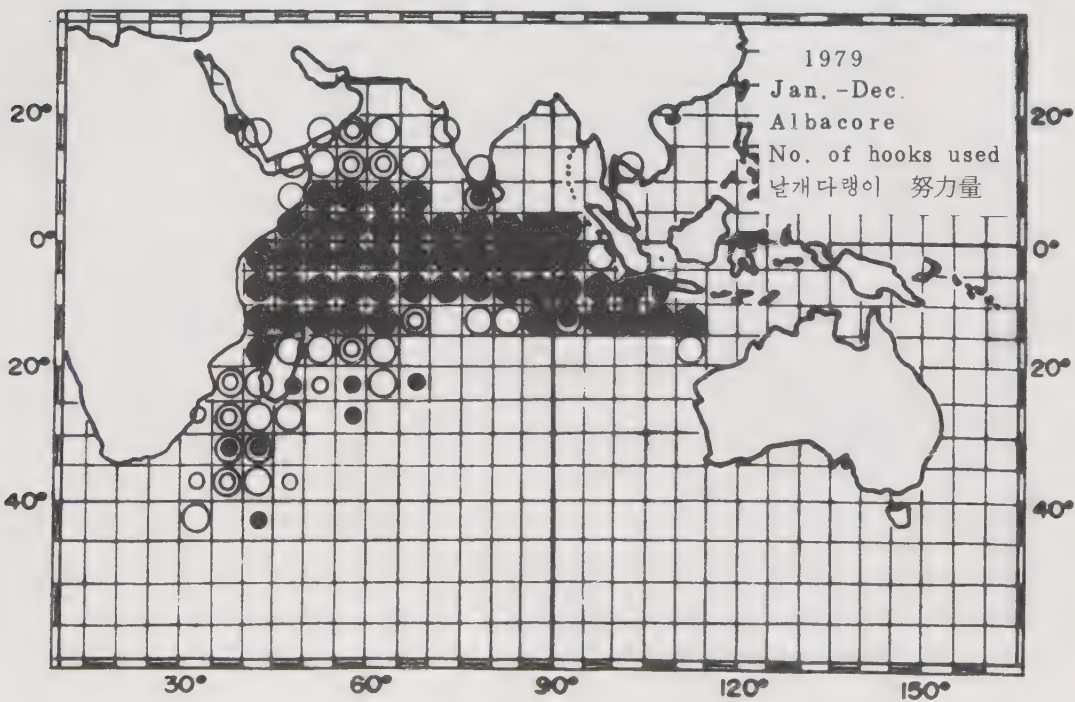
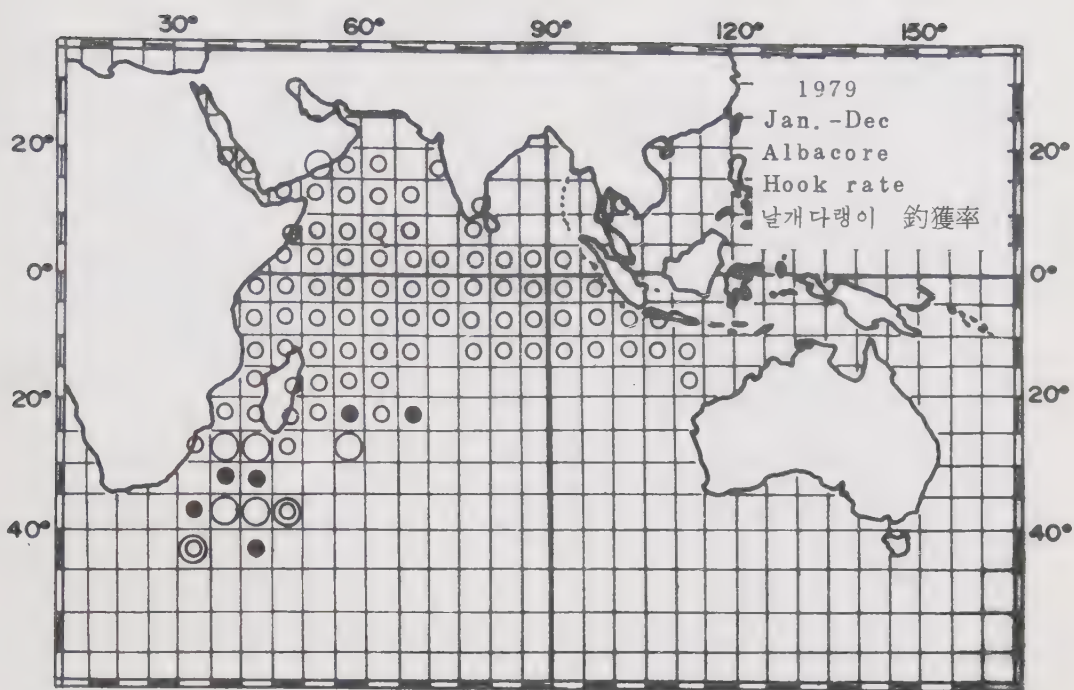
Albacore, Yellowfin, Bigeye  
Hook rate and fishing effort

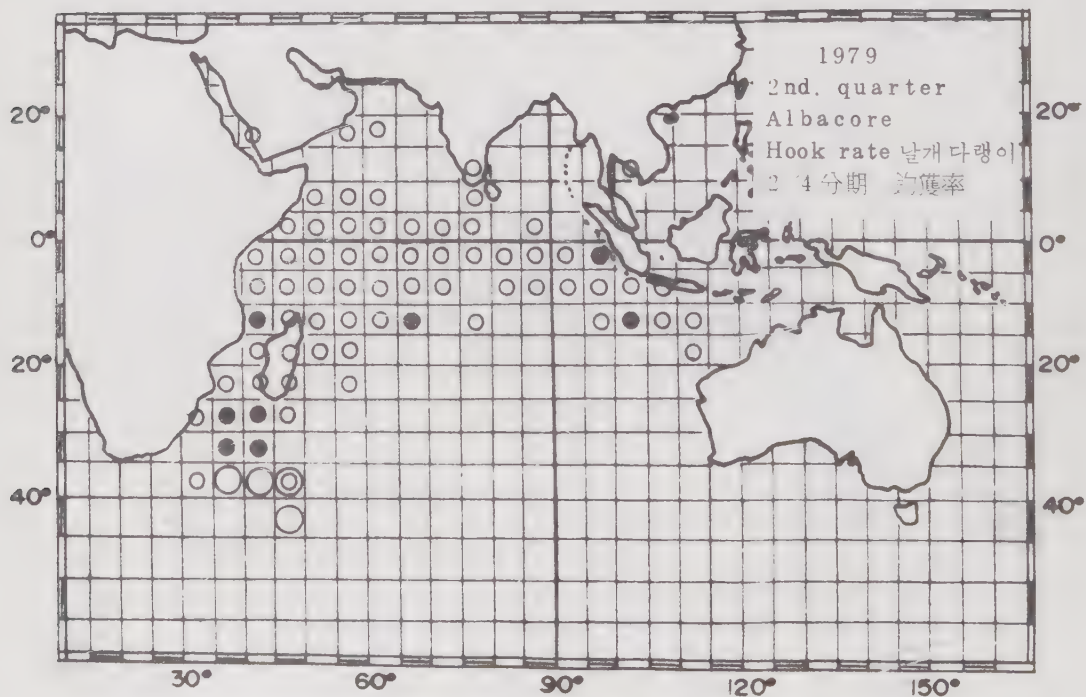
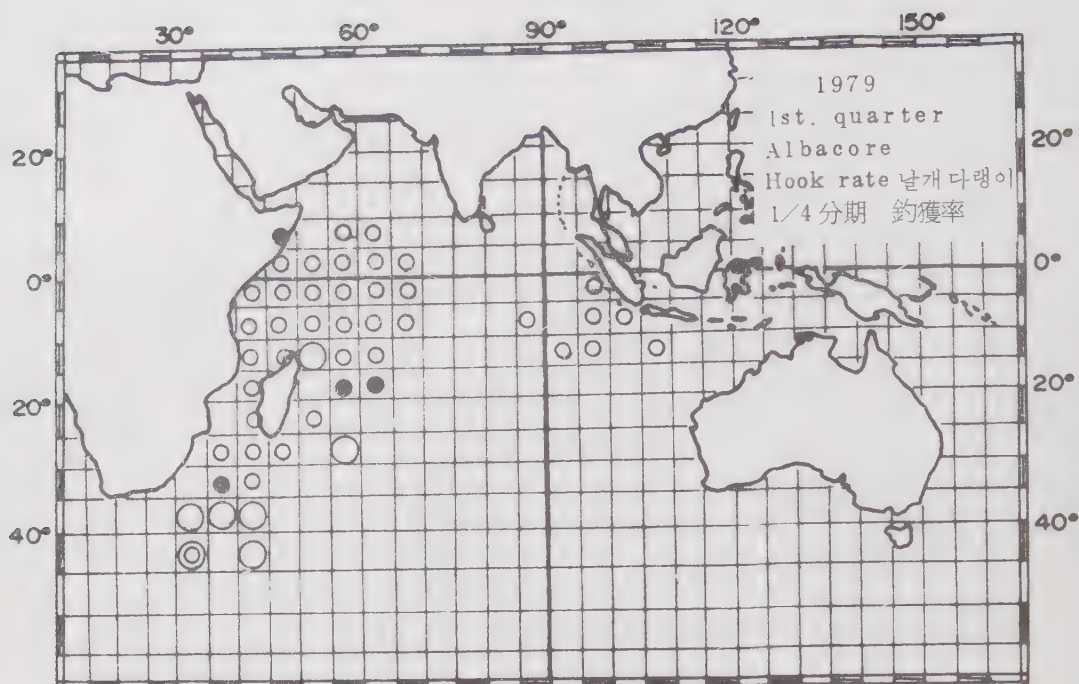


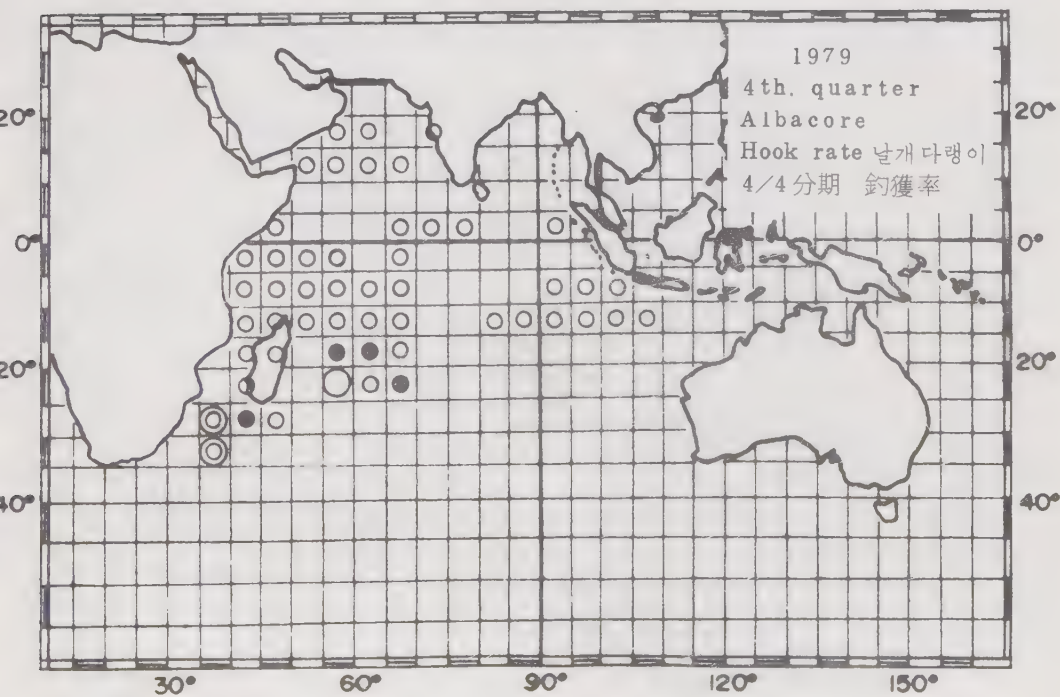
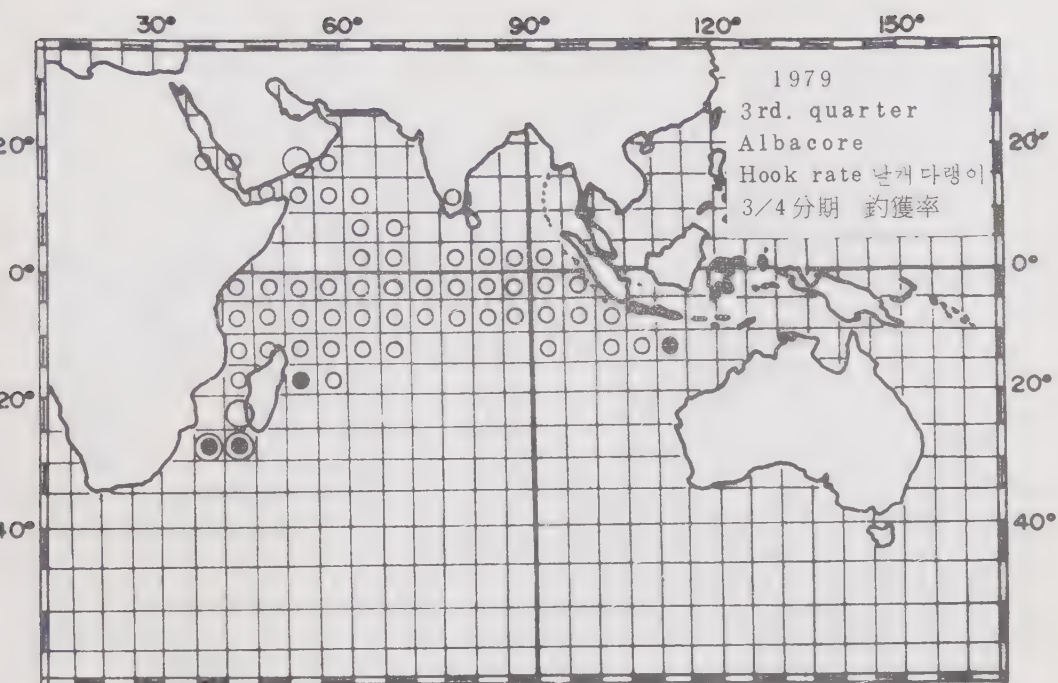


날 개 다 랭 이  
Albacore

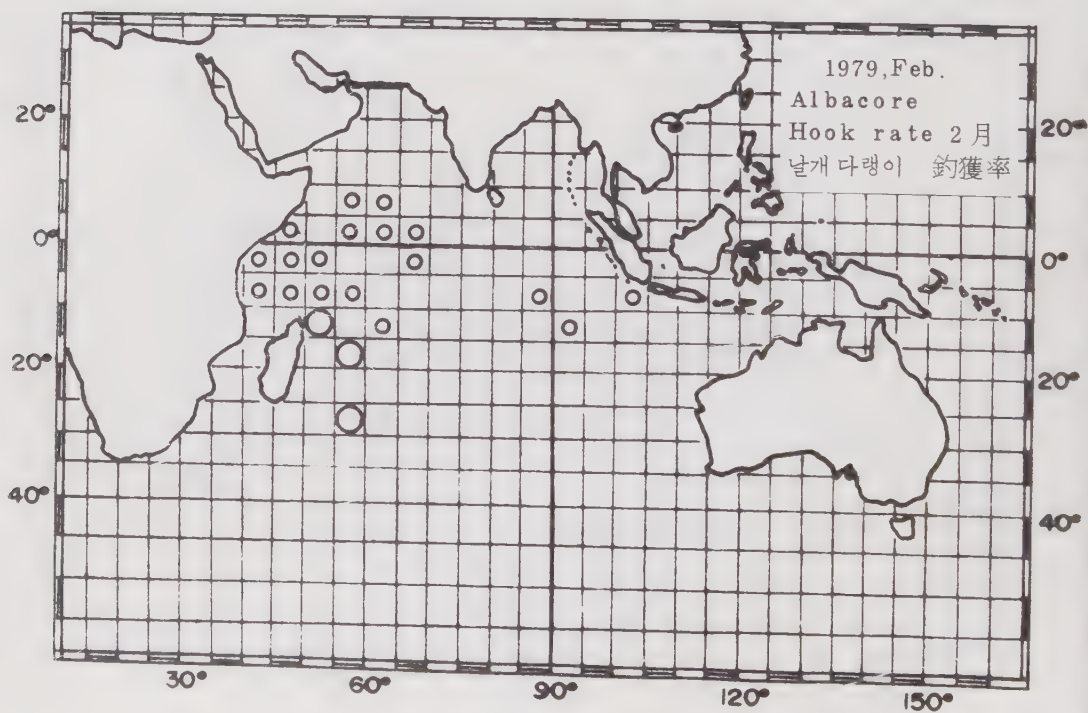
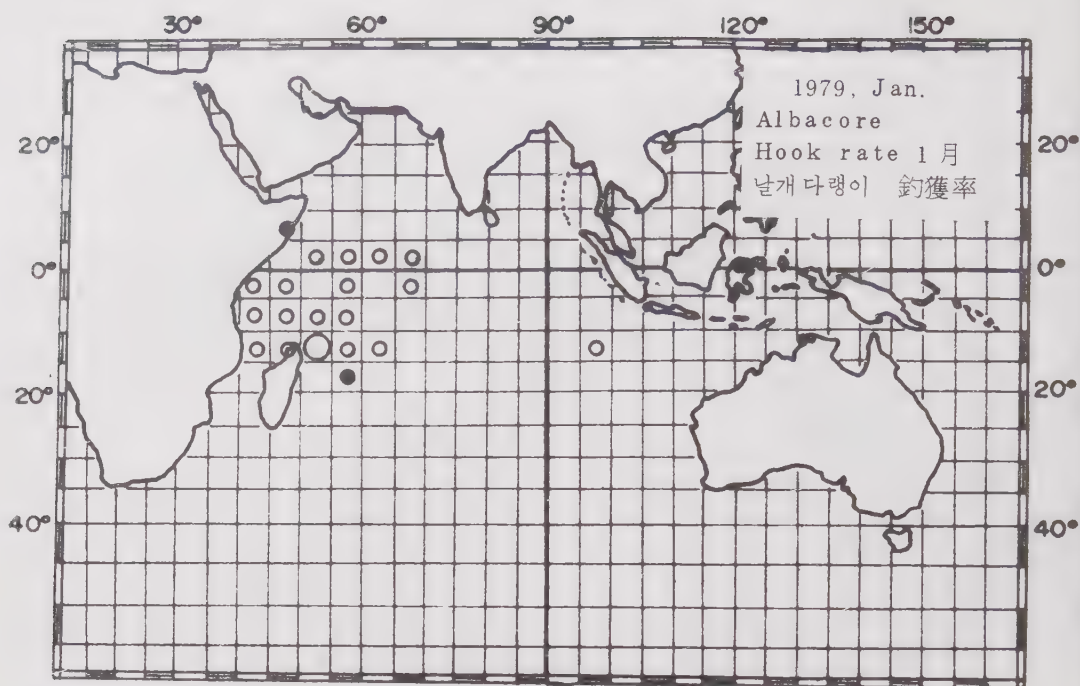




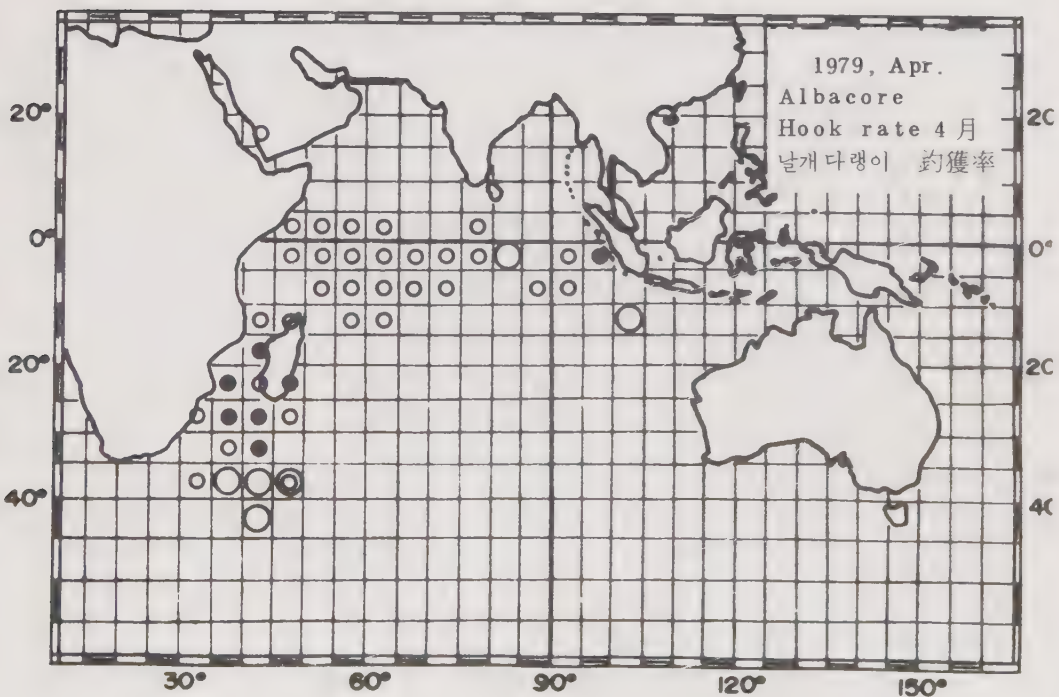
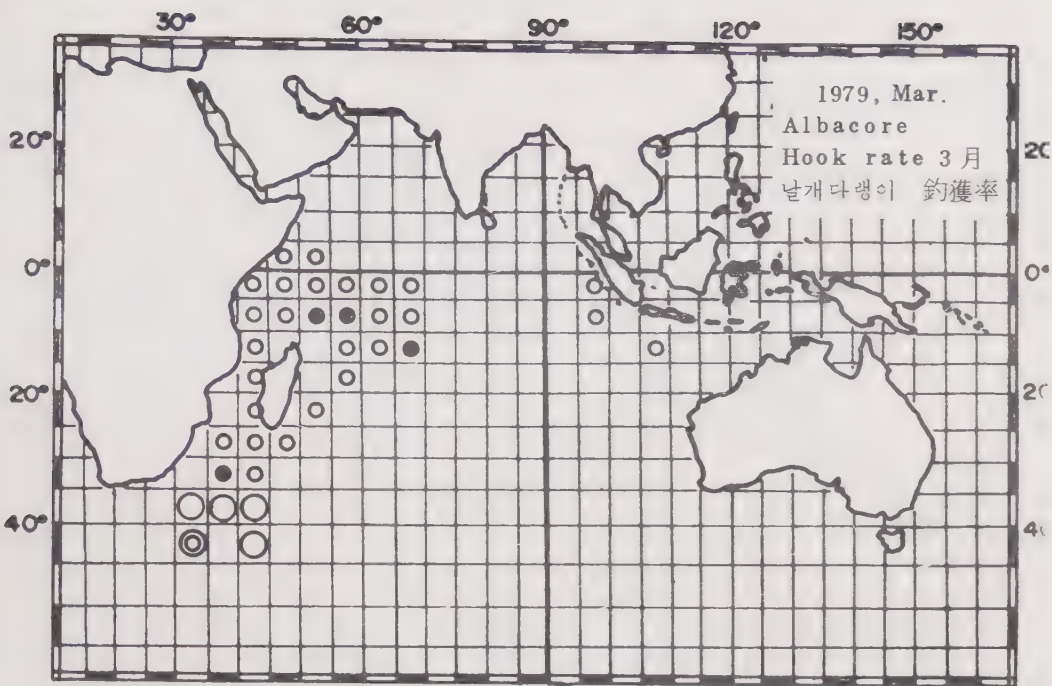


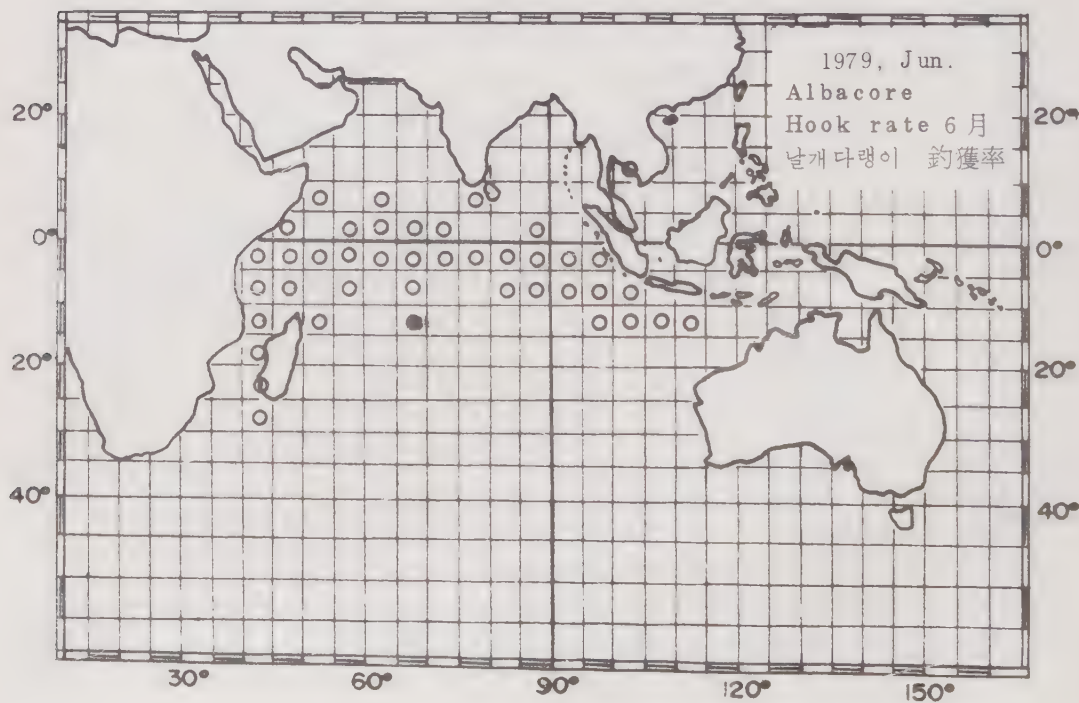
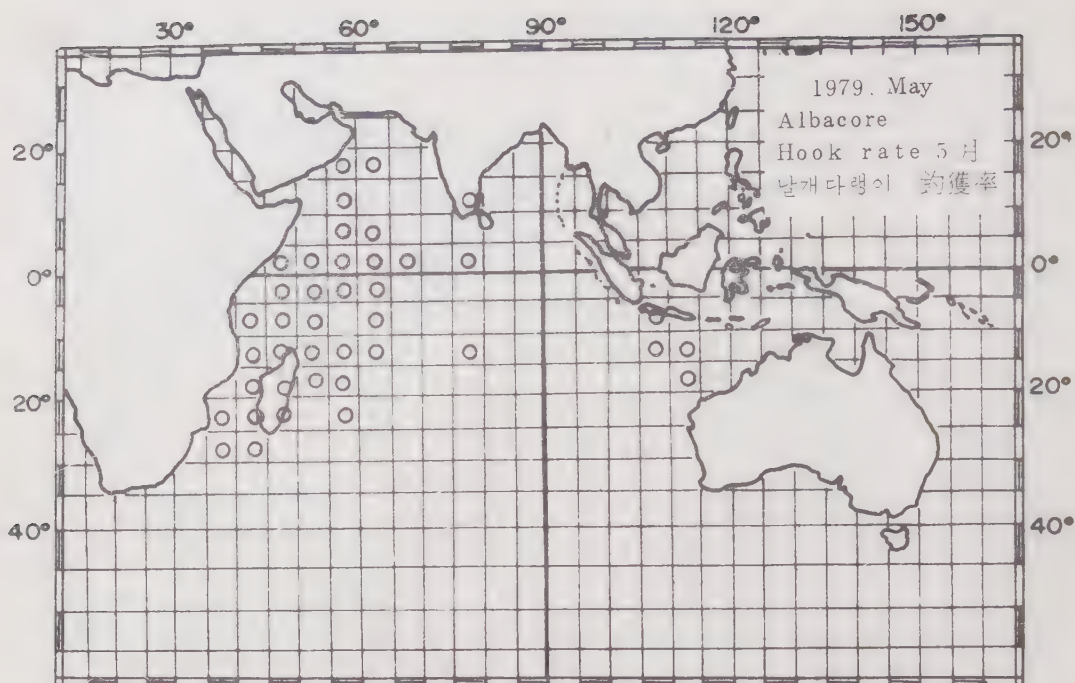


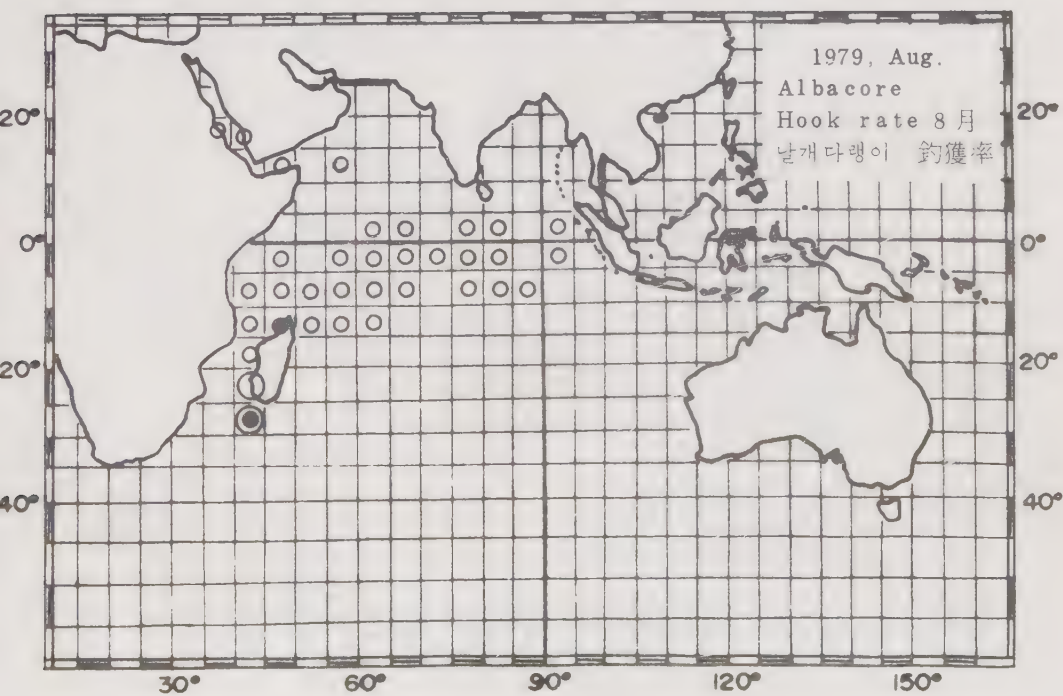
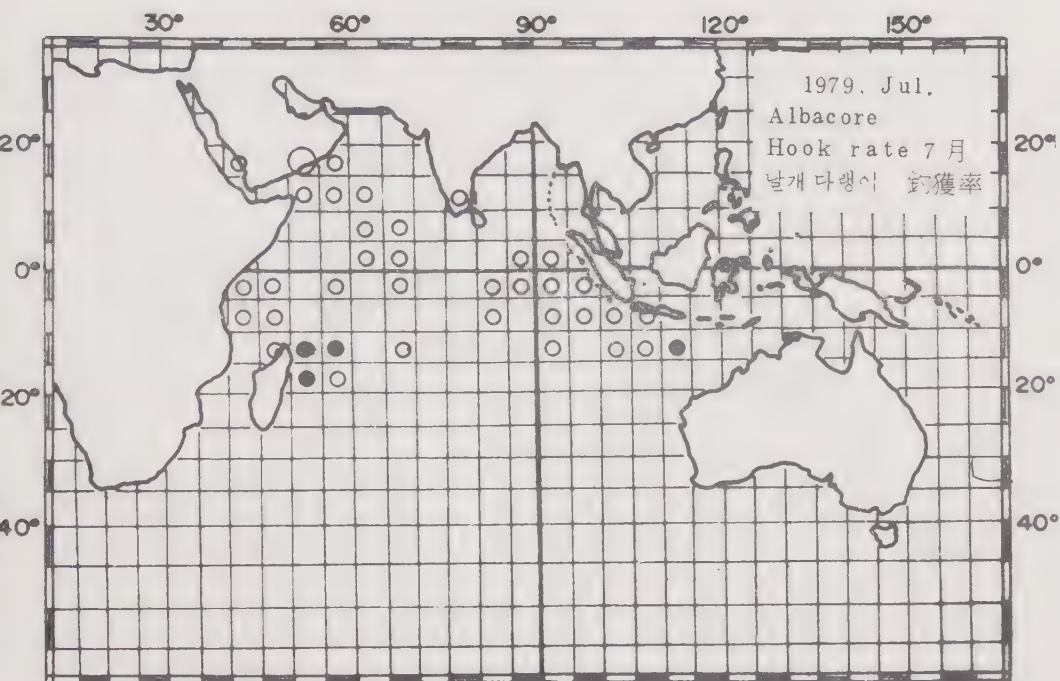




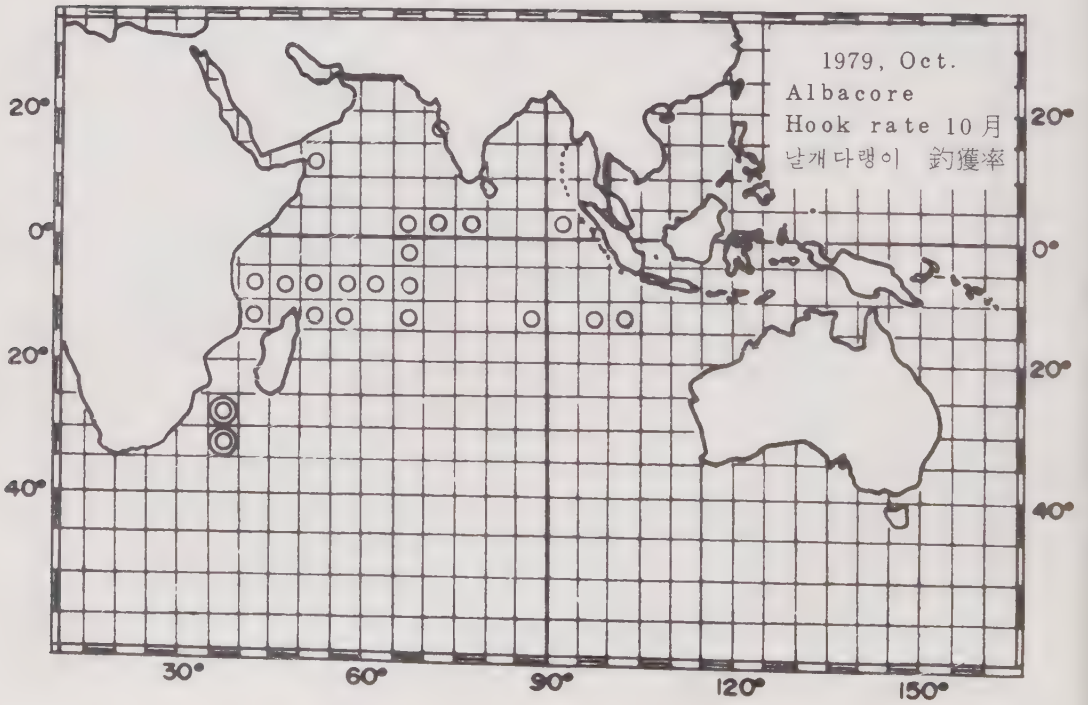
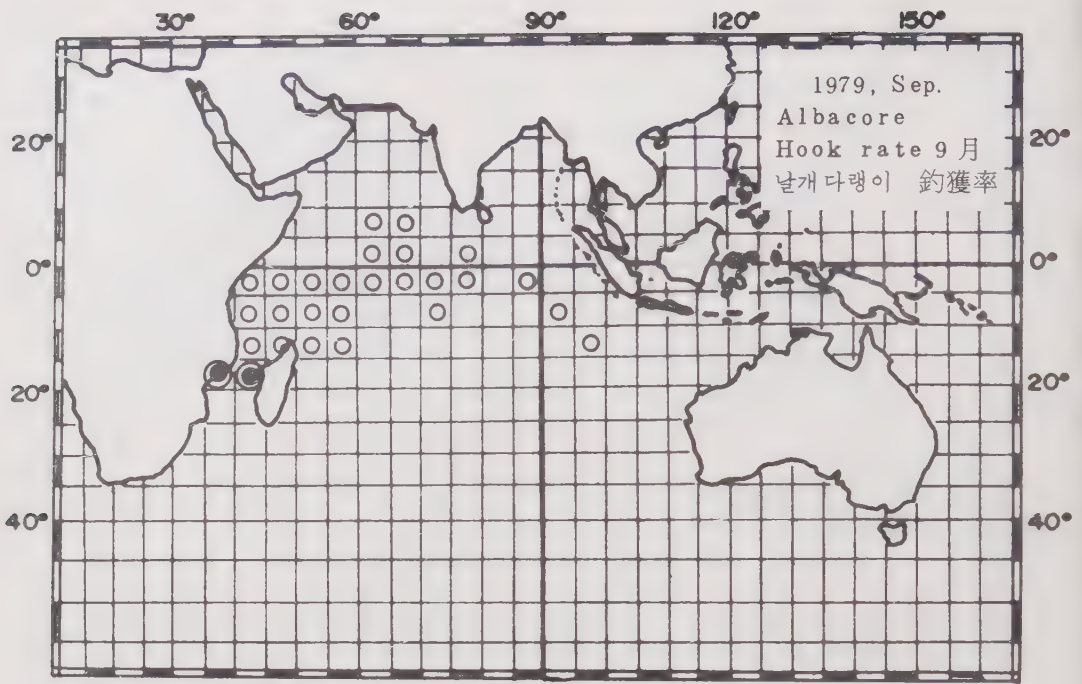


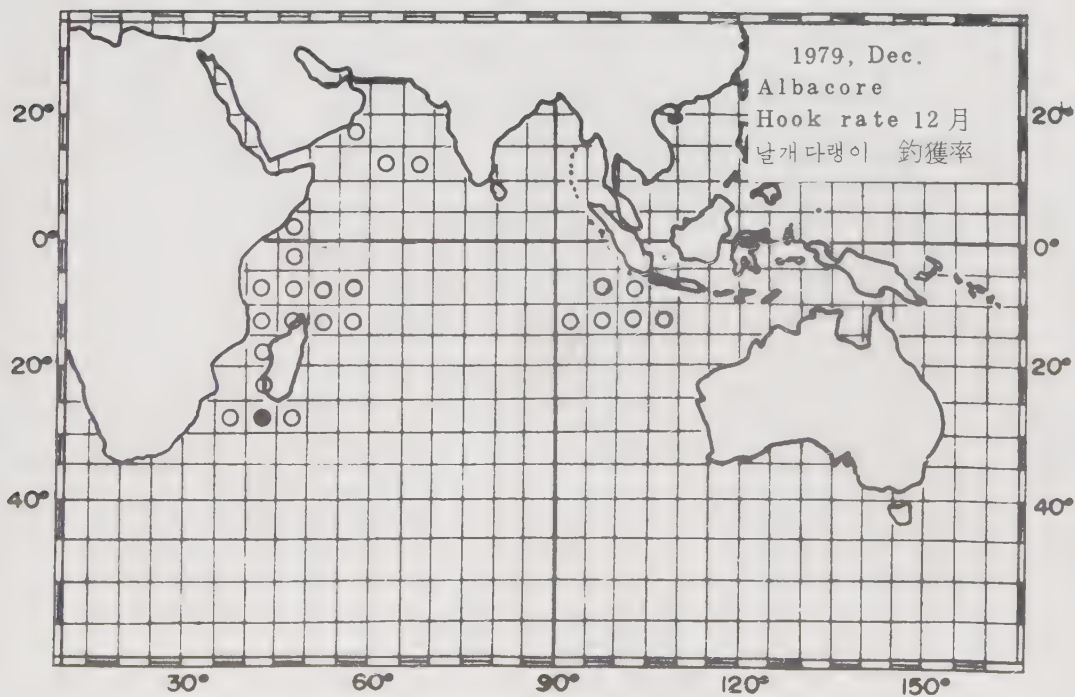
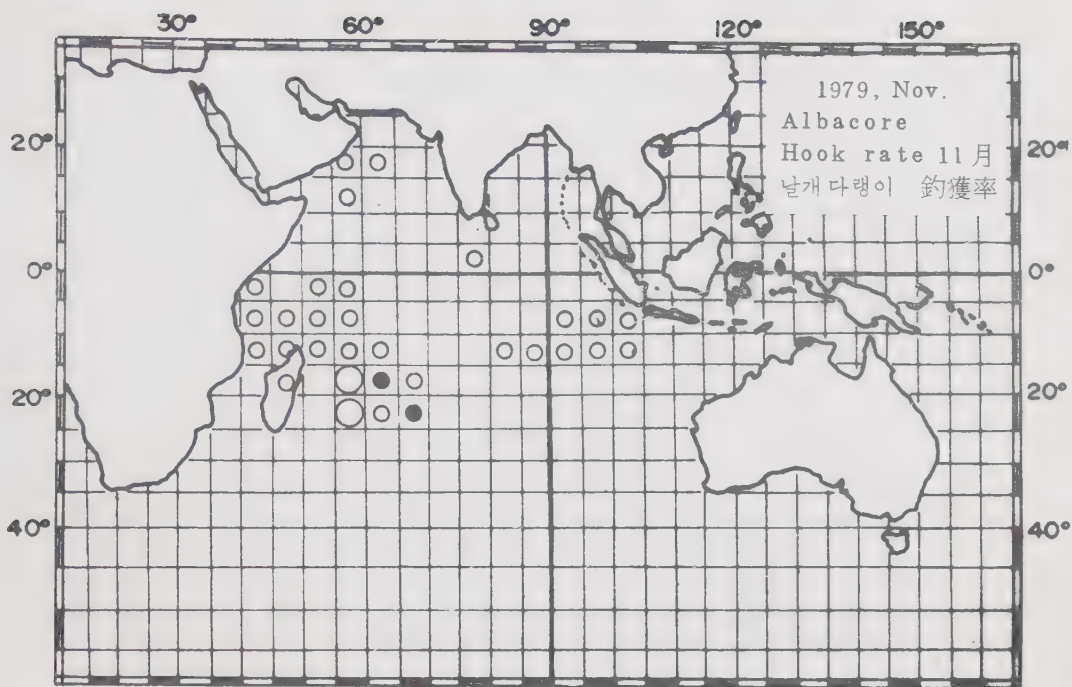










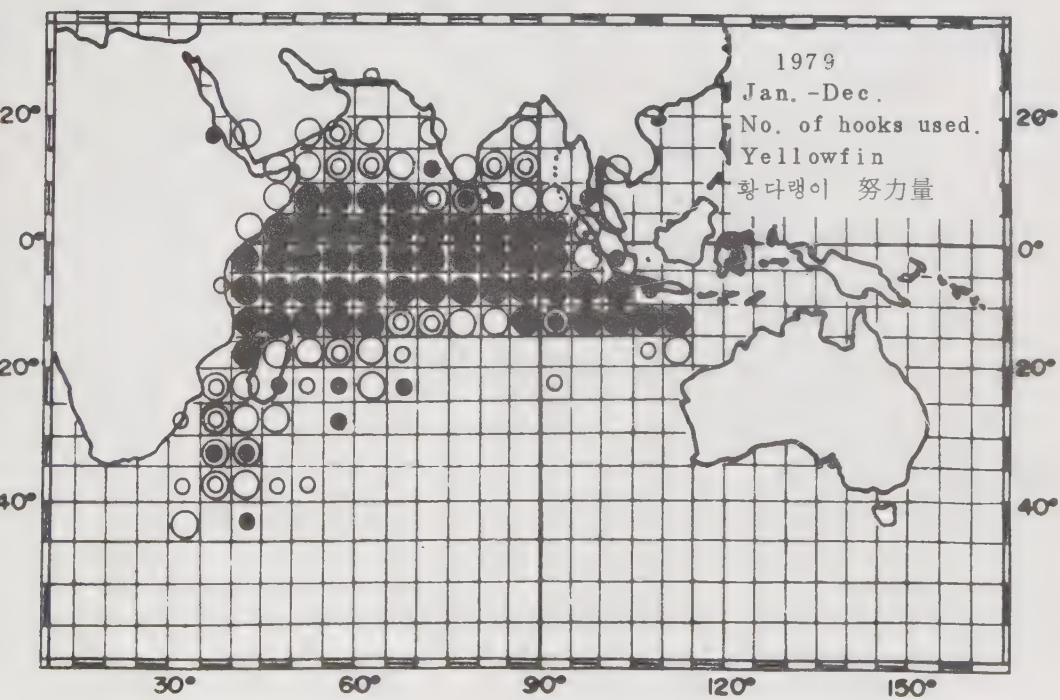
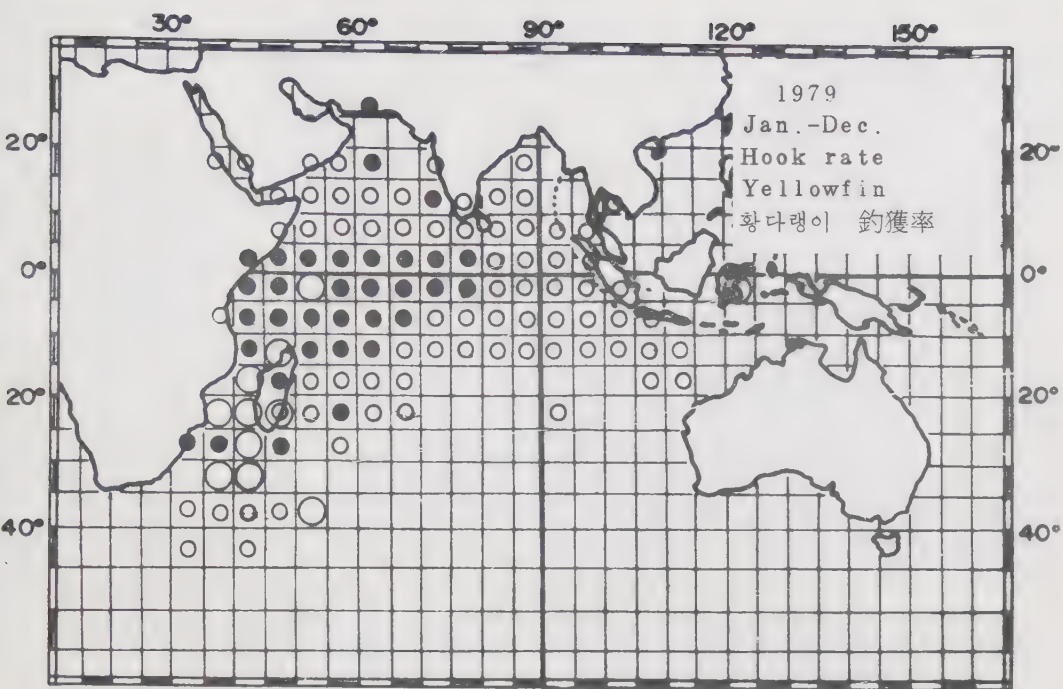


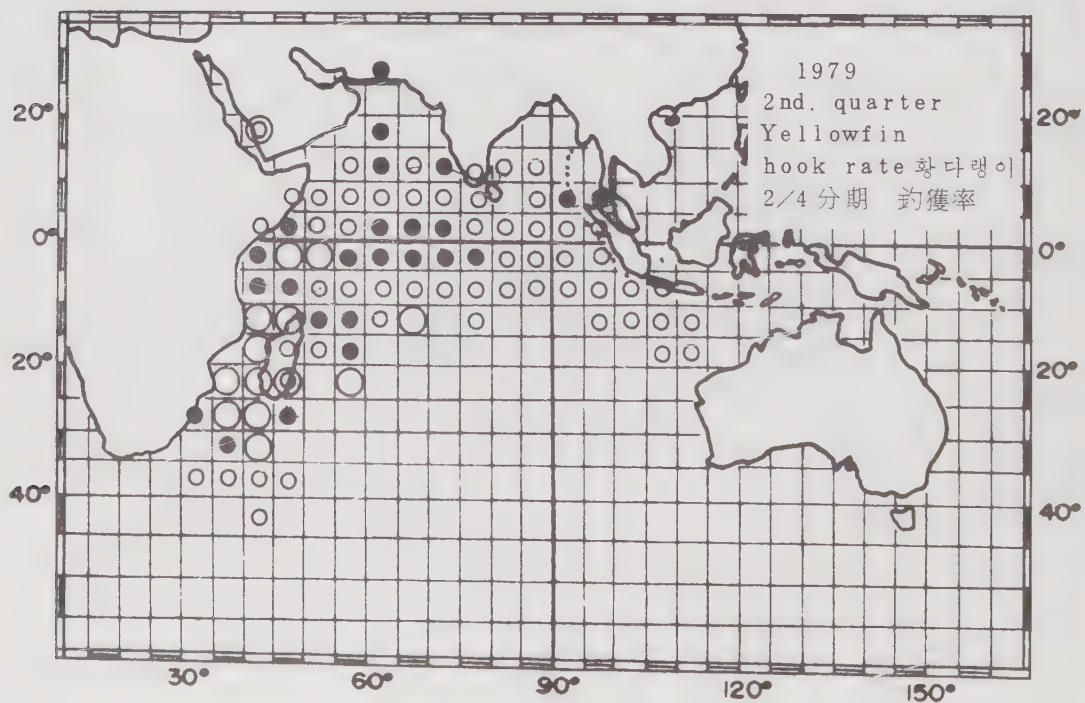
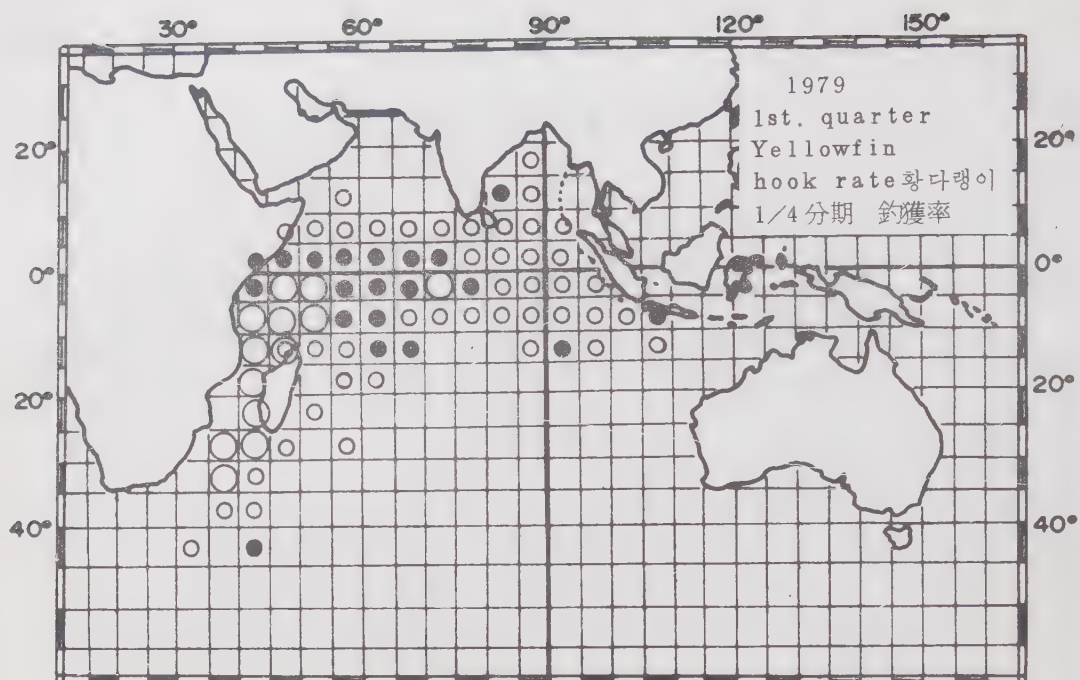


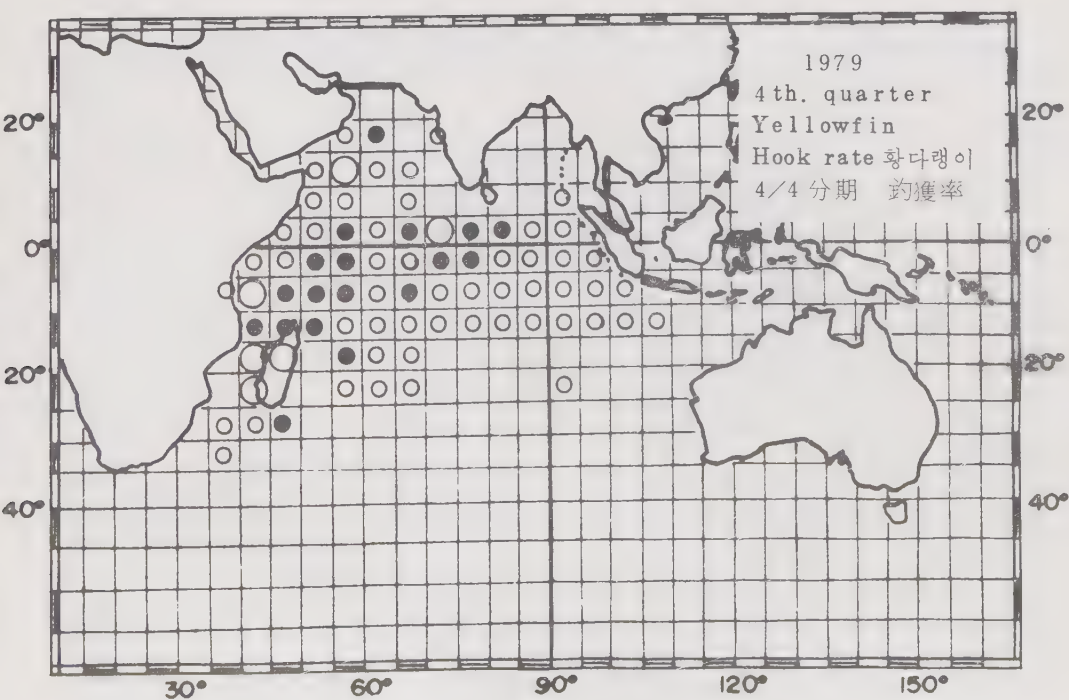
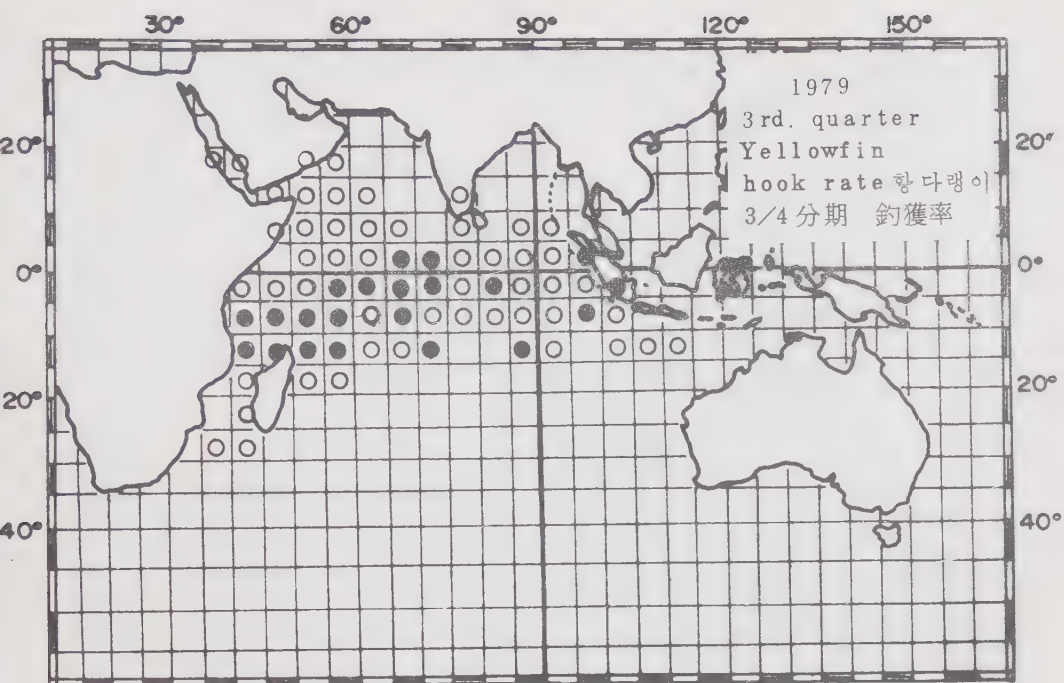


황 다 랭 이  
Yellowfin

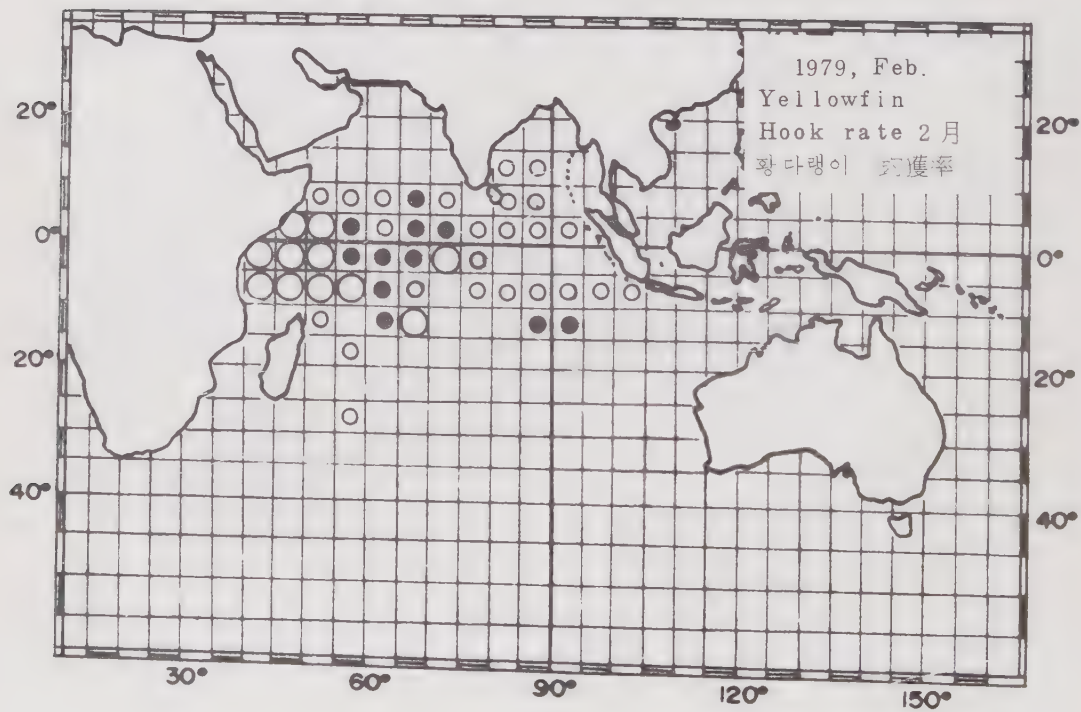
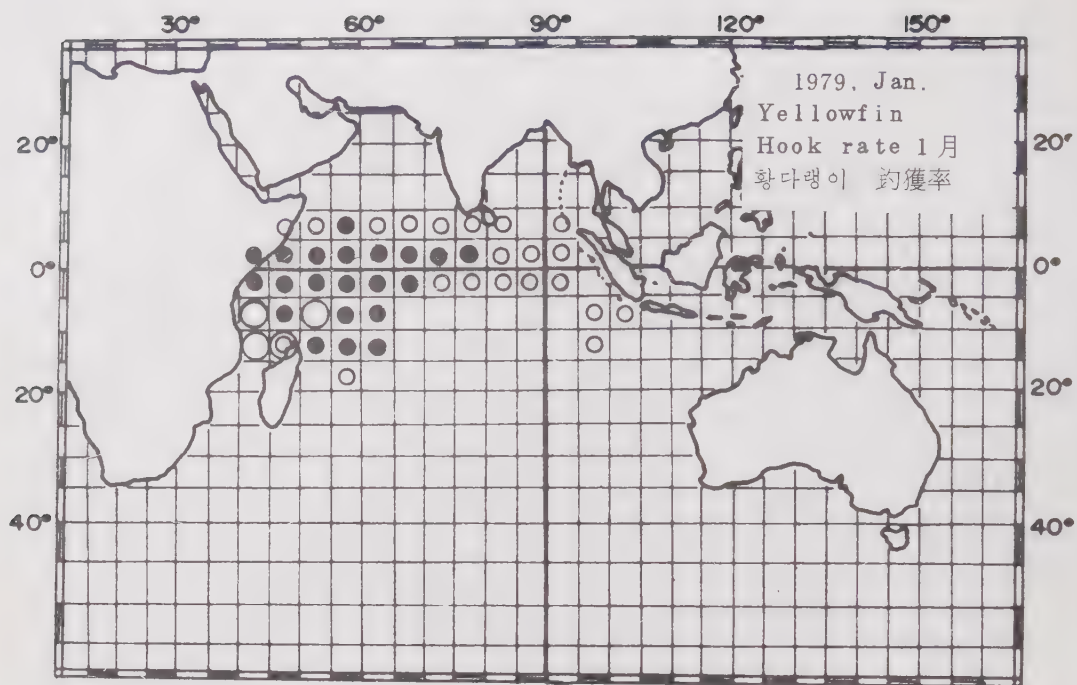




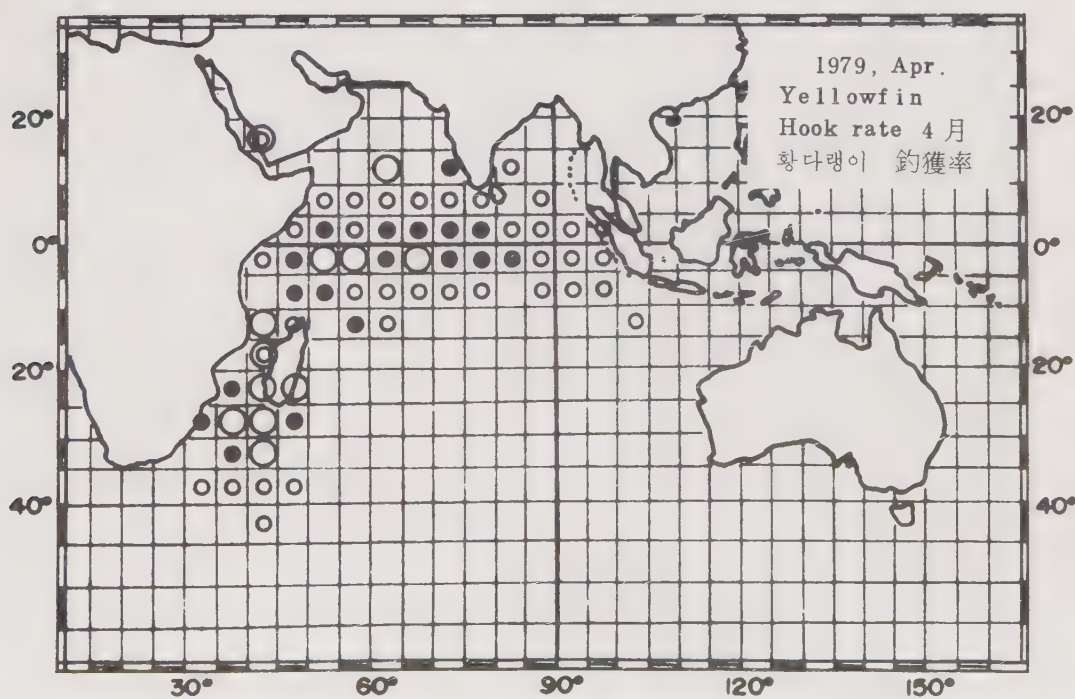
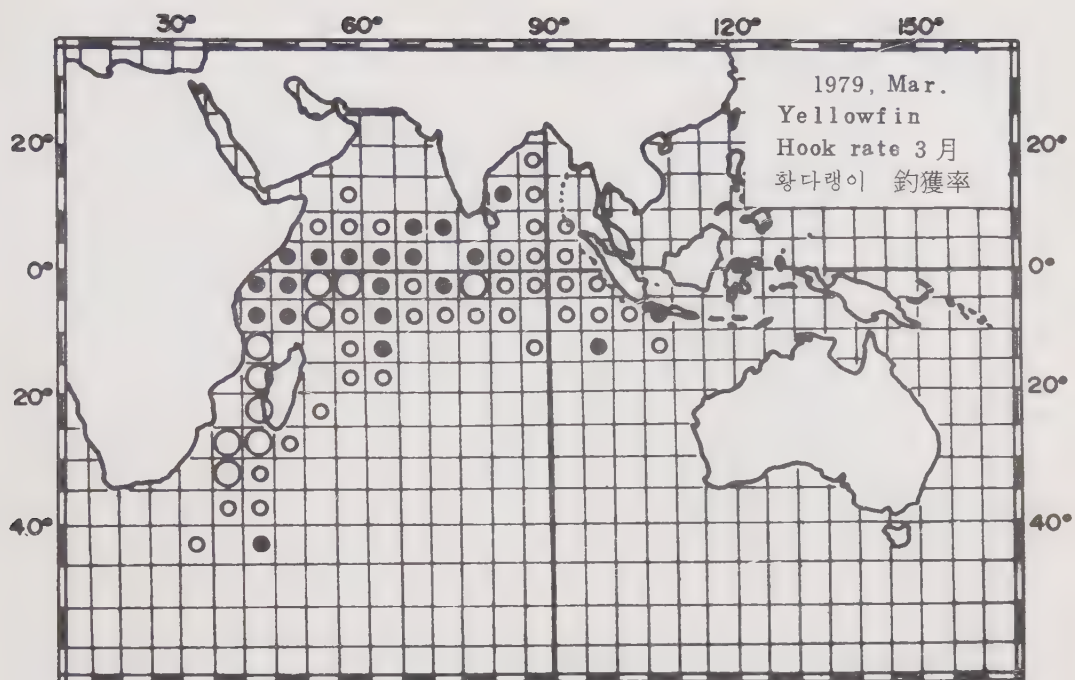


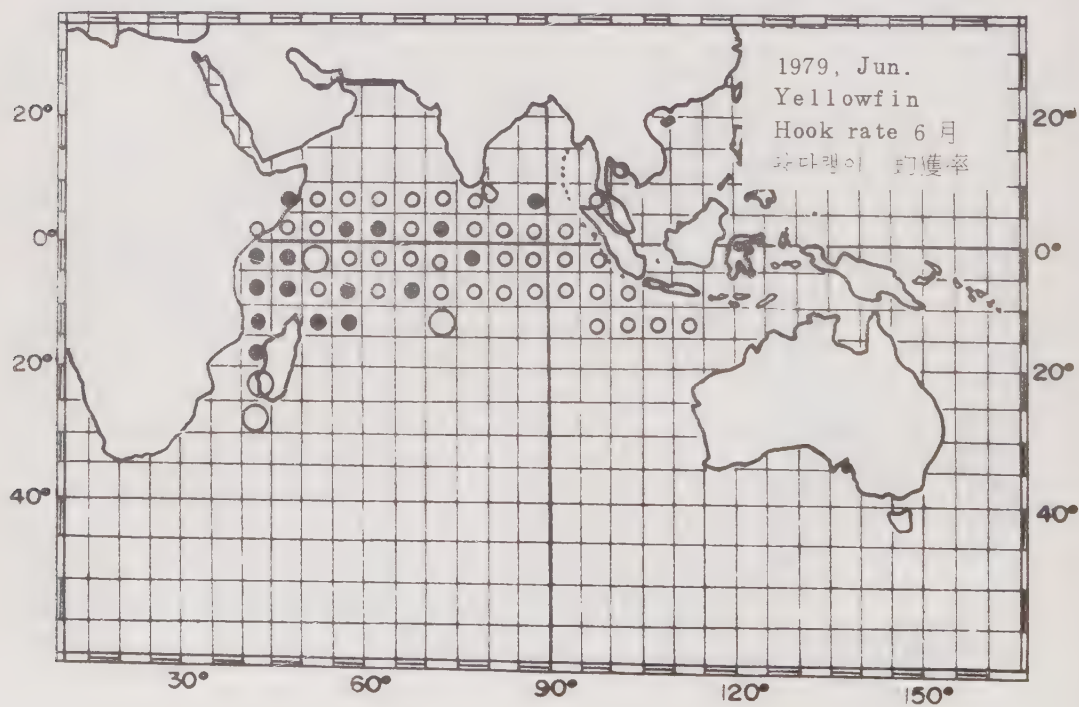
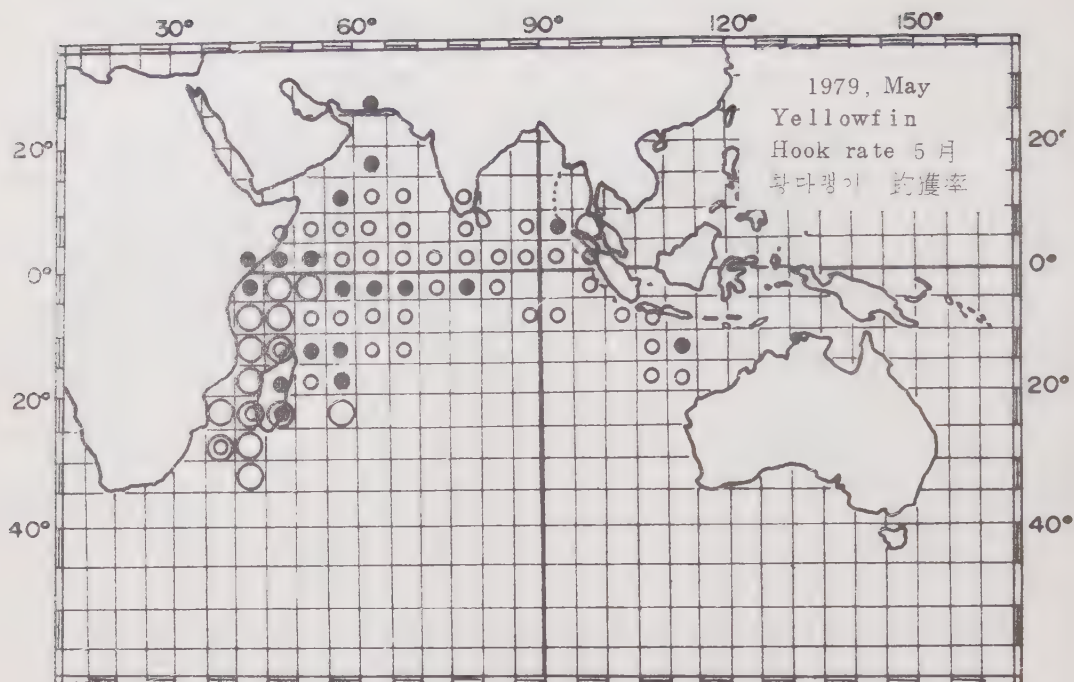


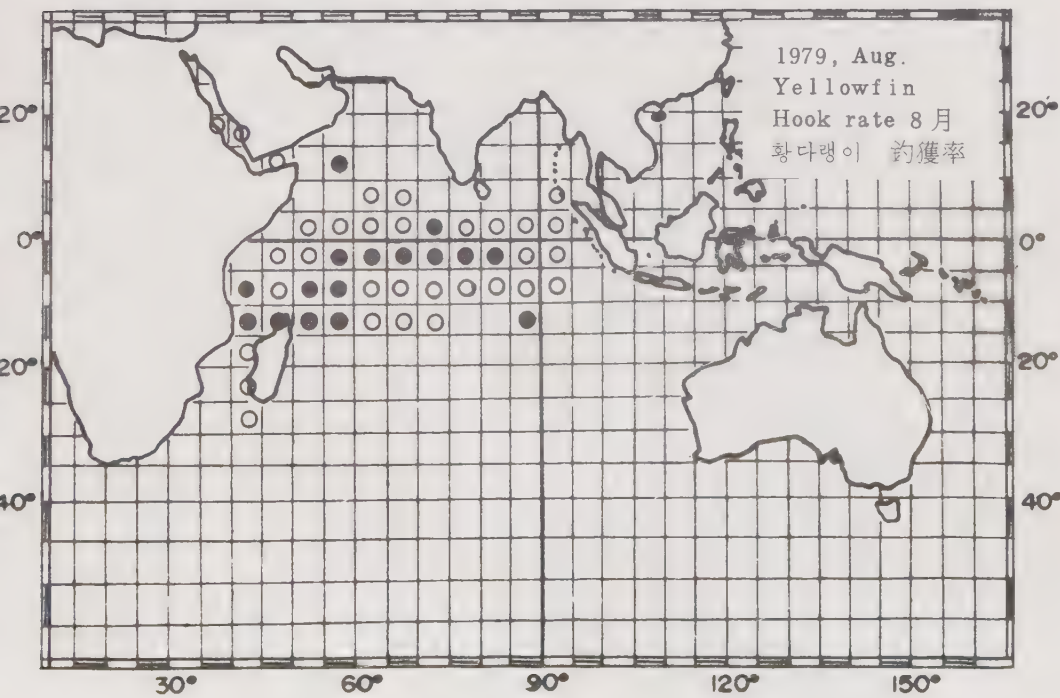
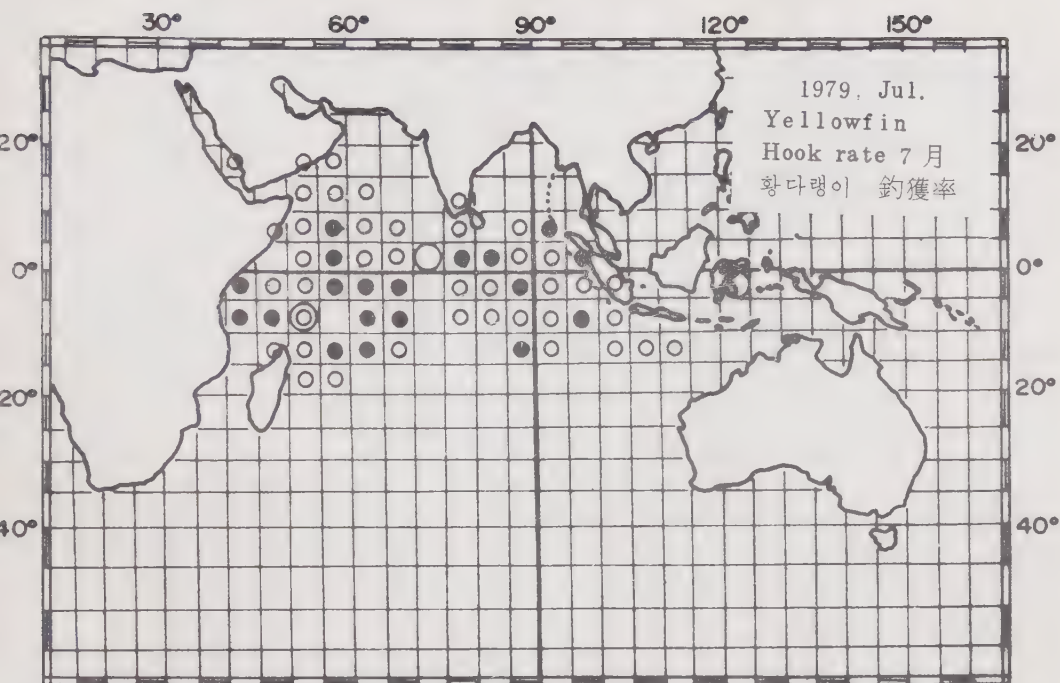




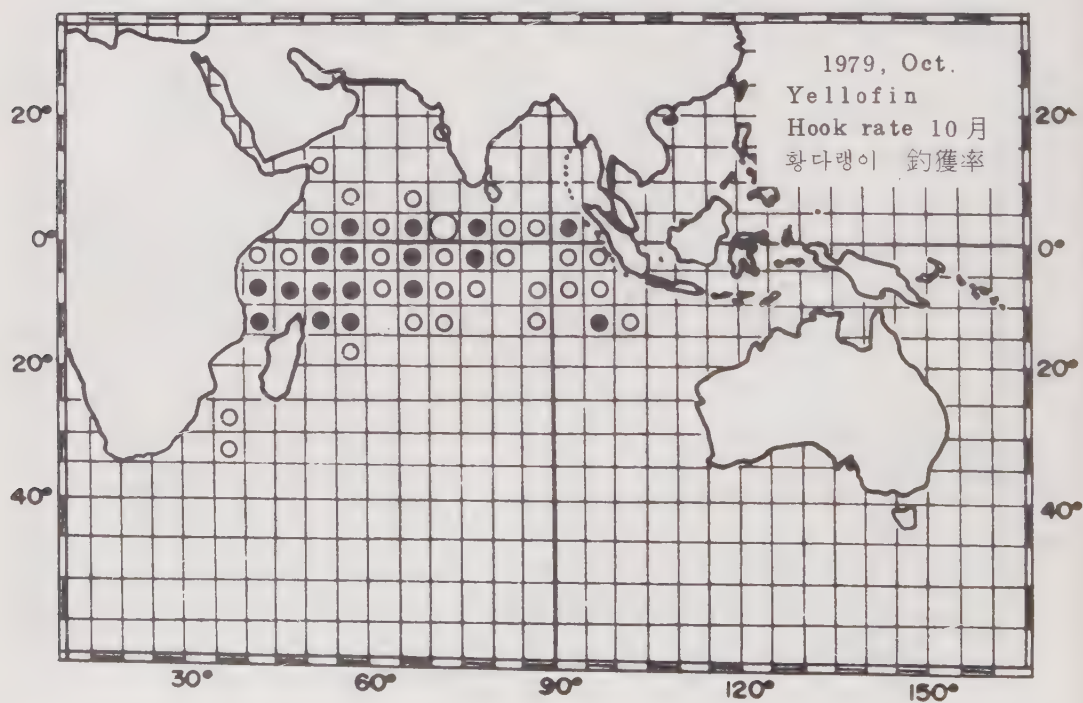
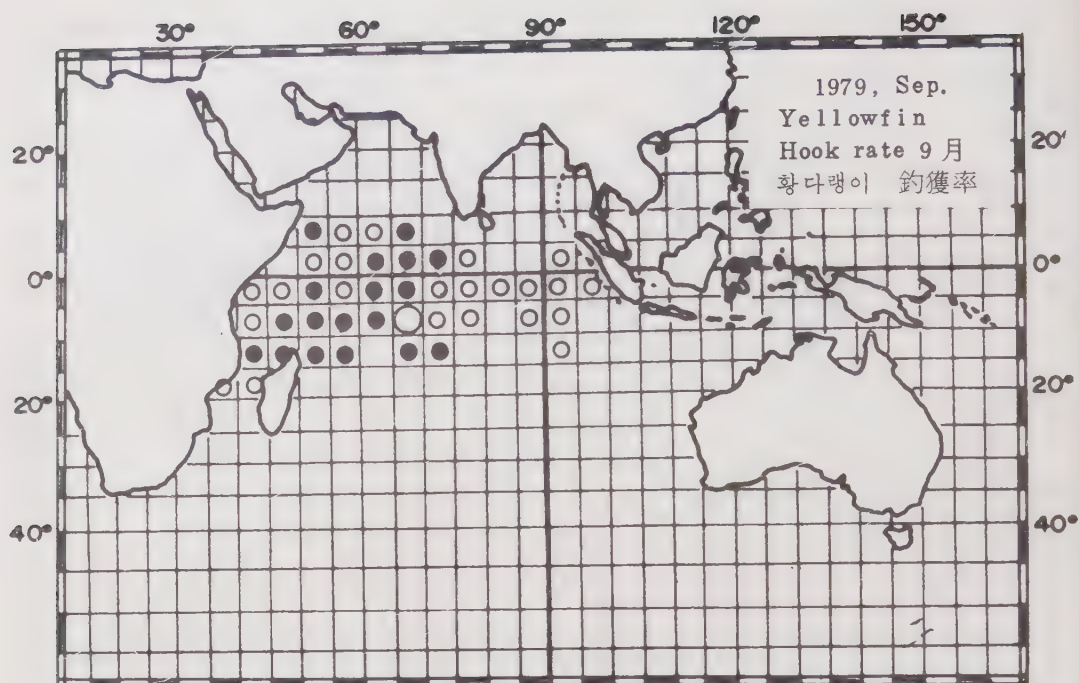


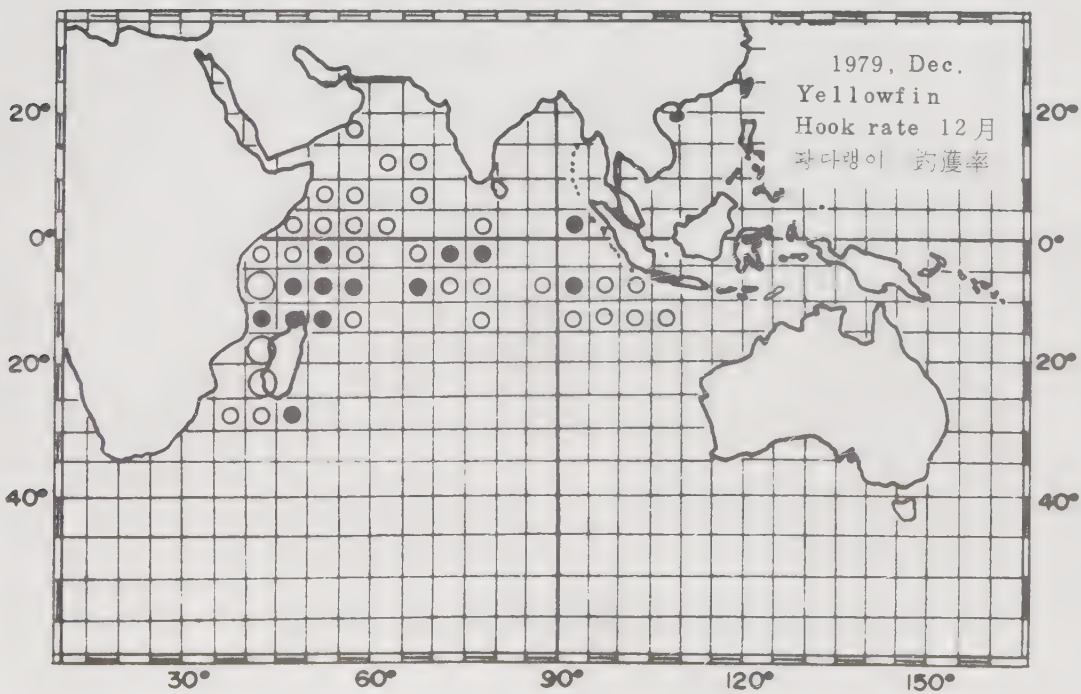
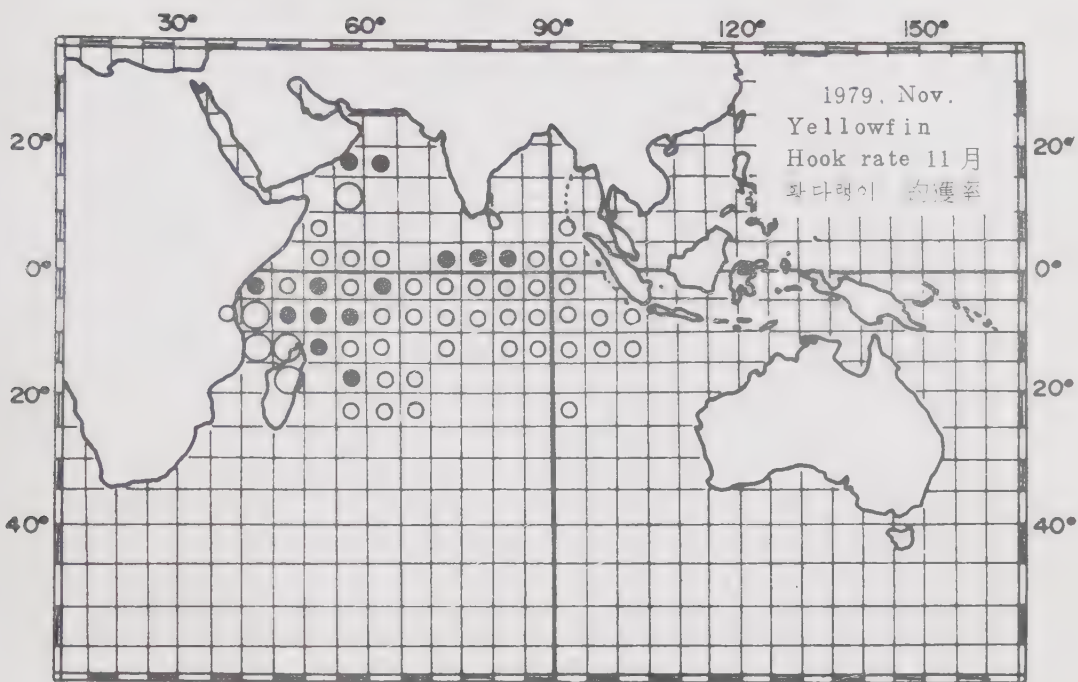










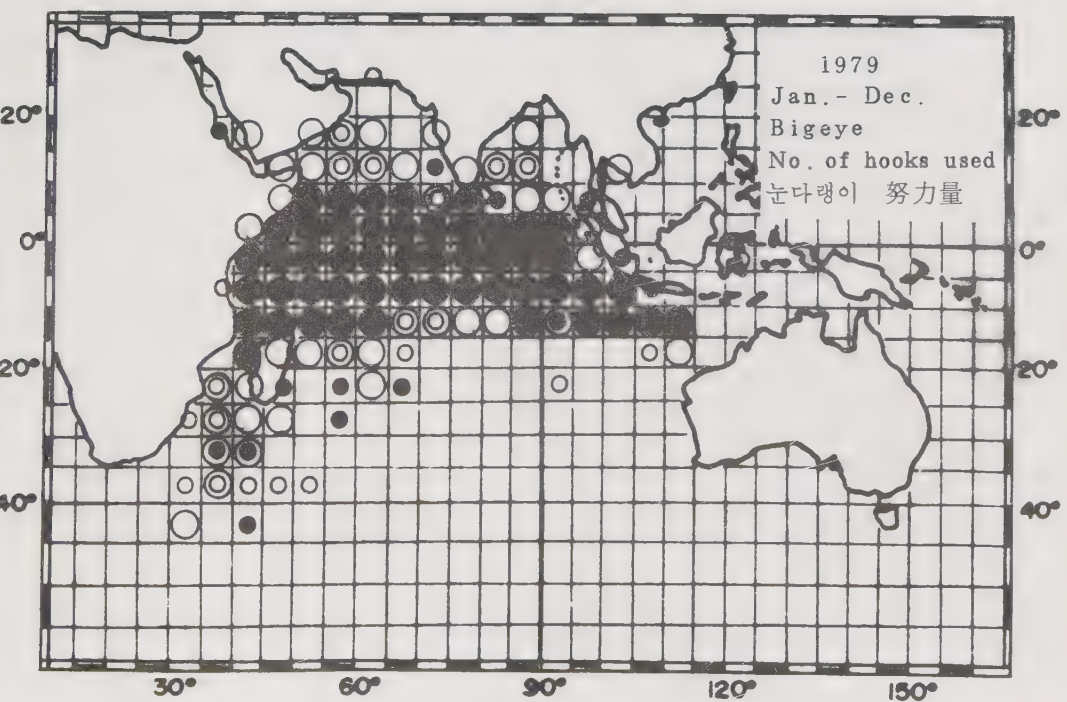
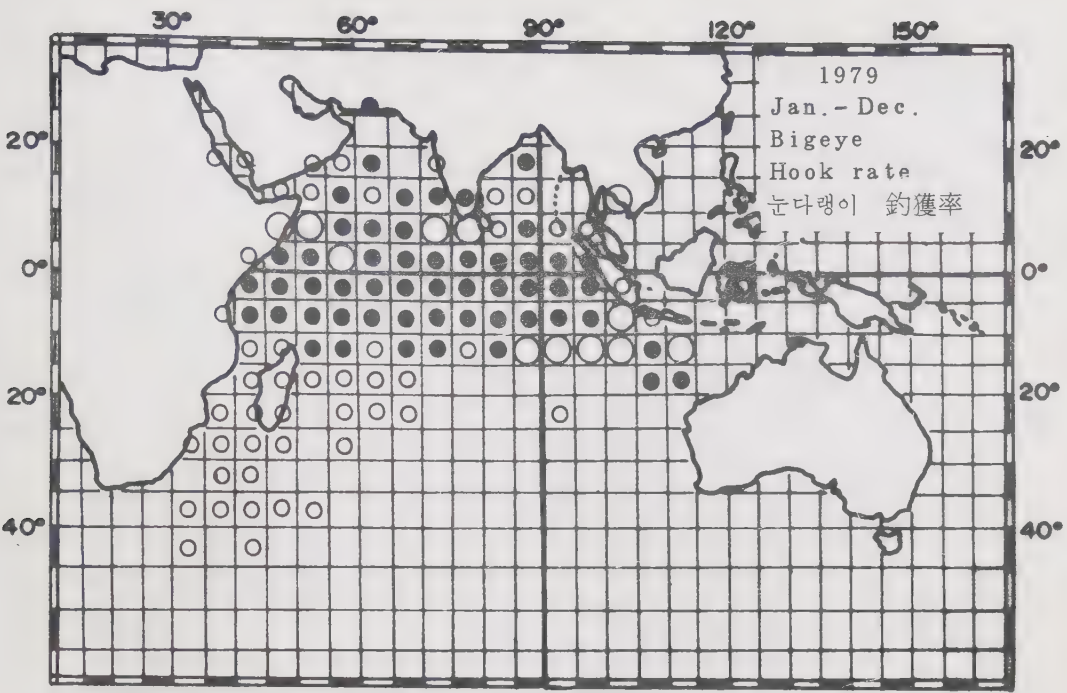


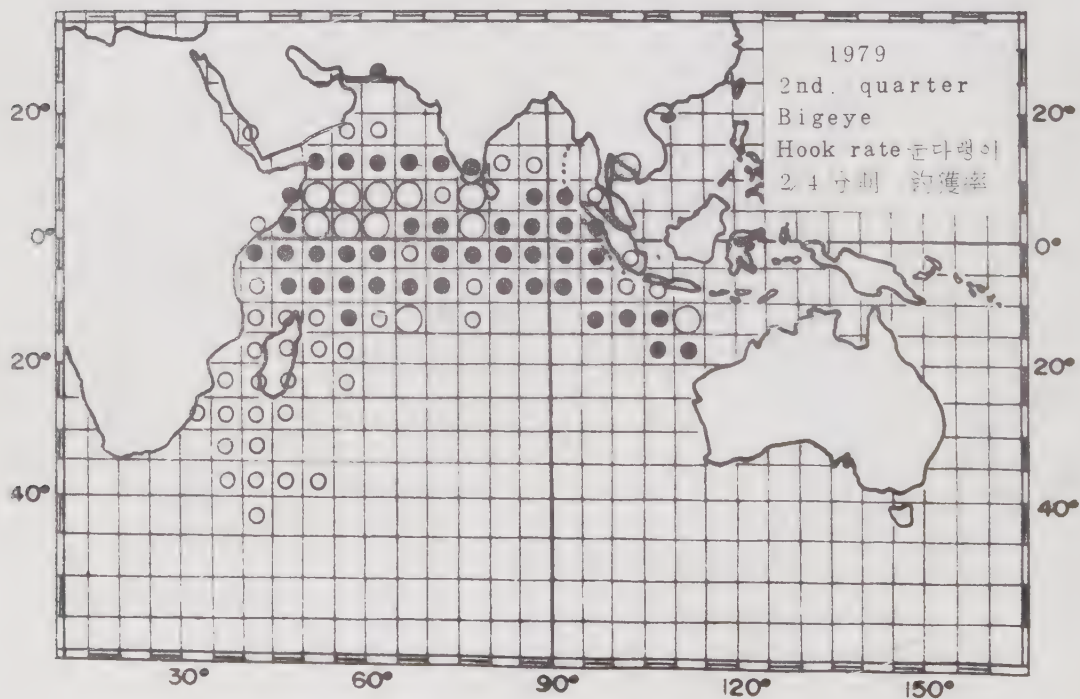
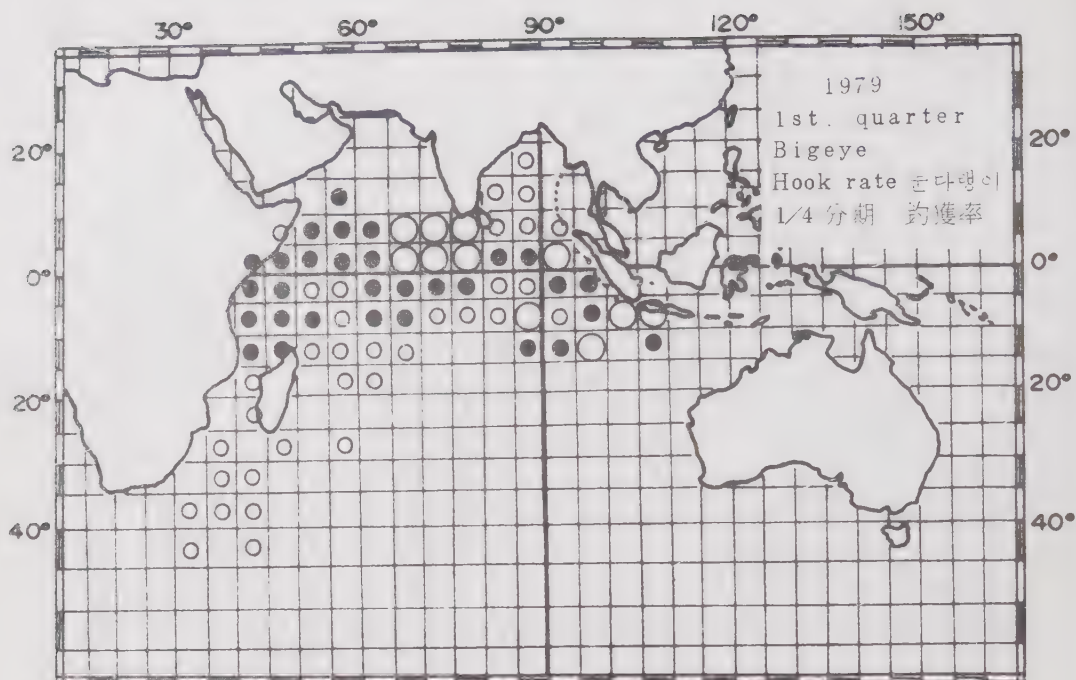


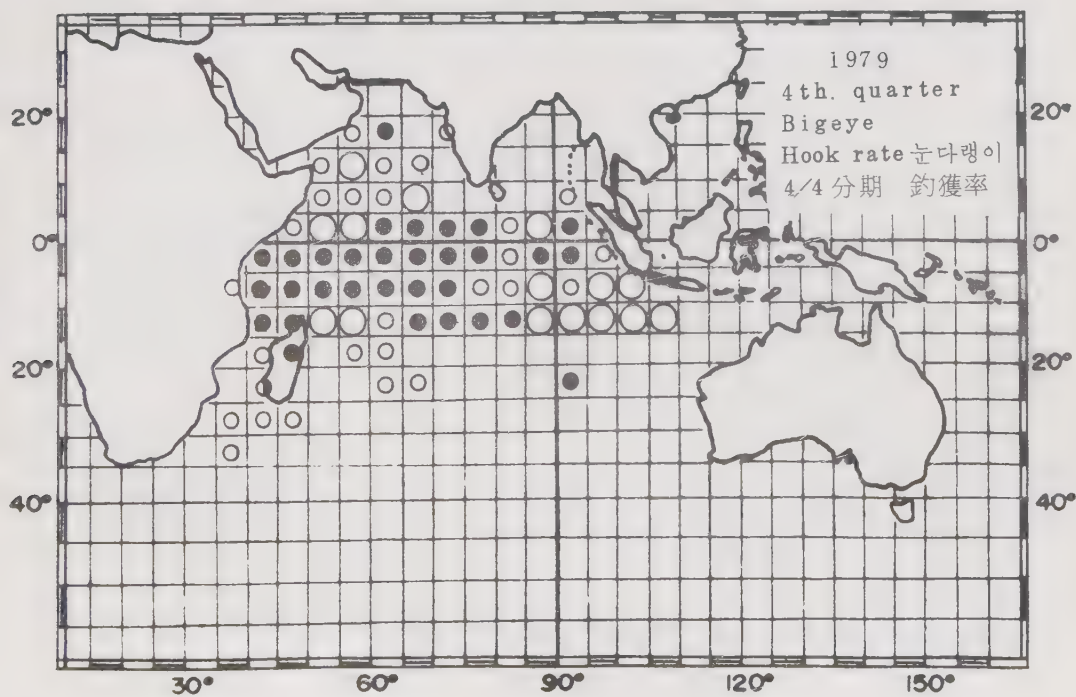
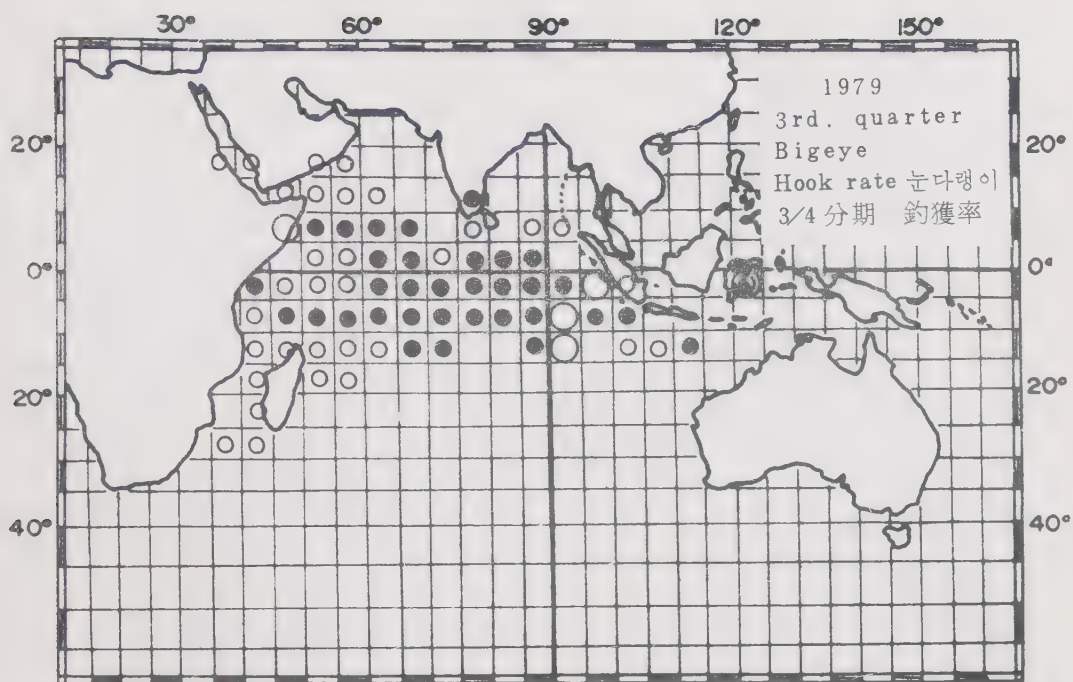


눈 다 랭 이  
 Big eye

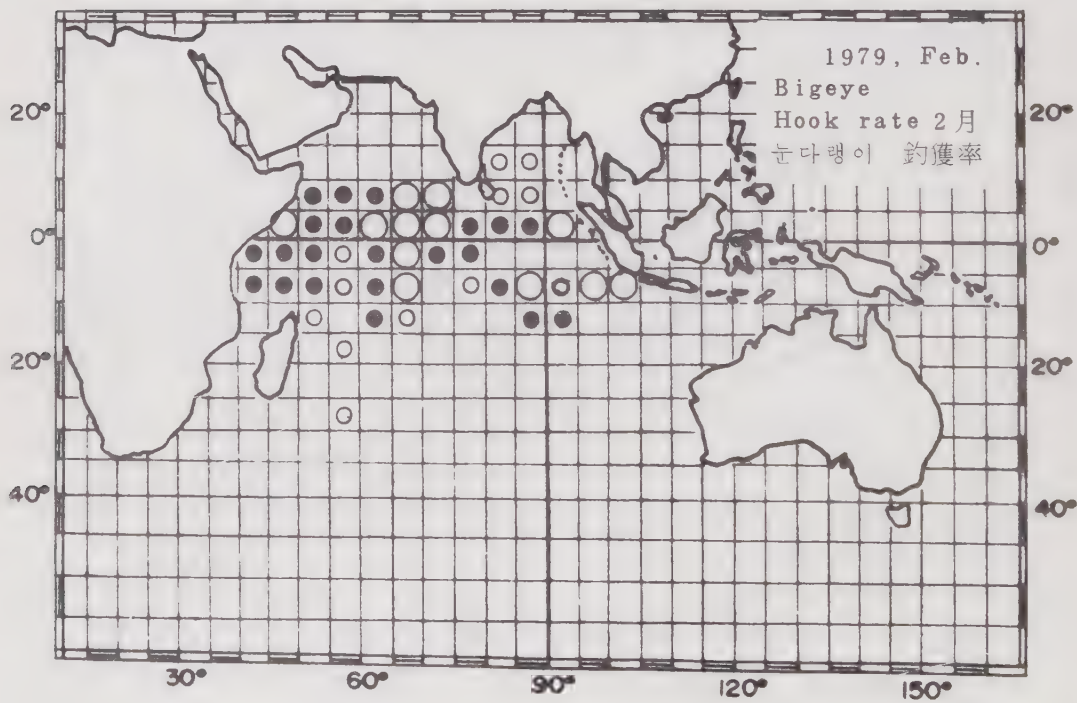
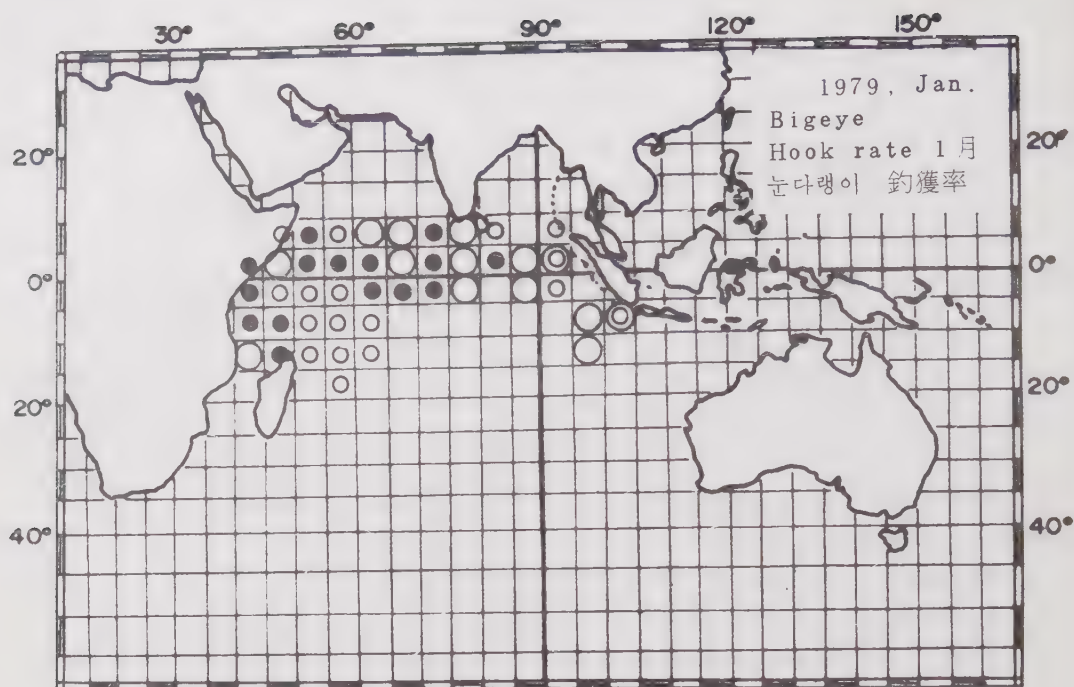




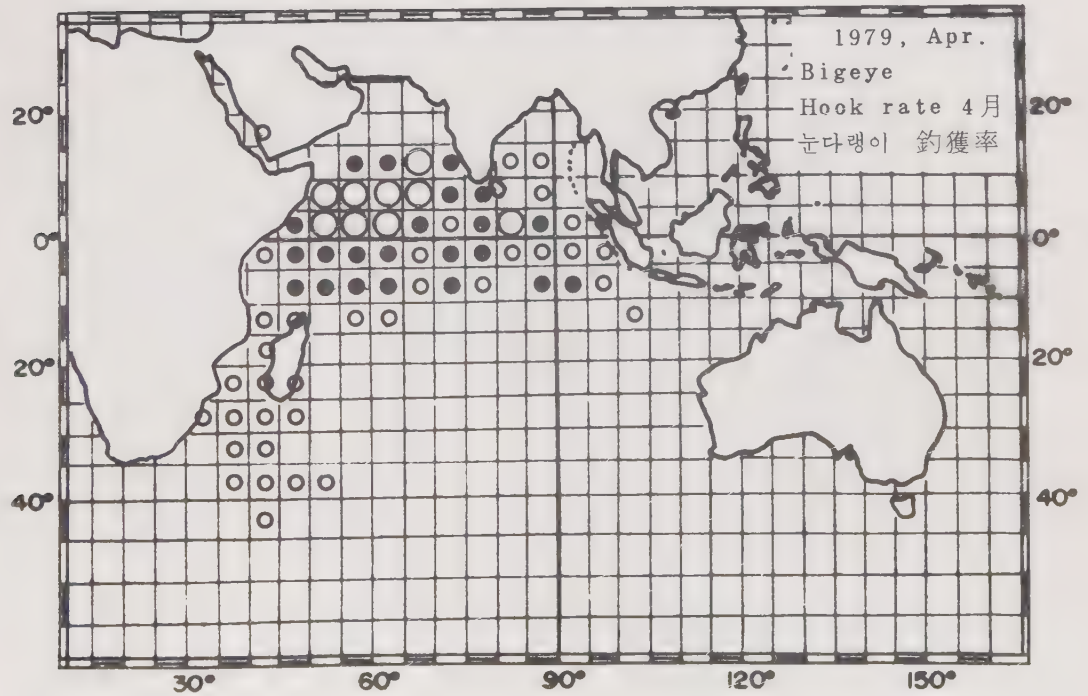
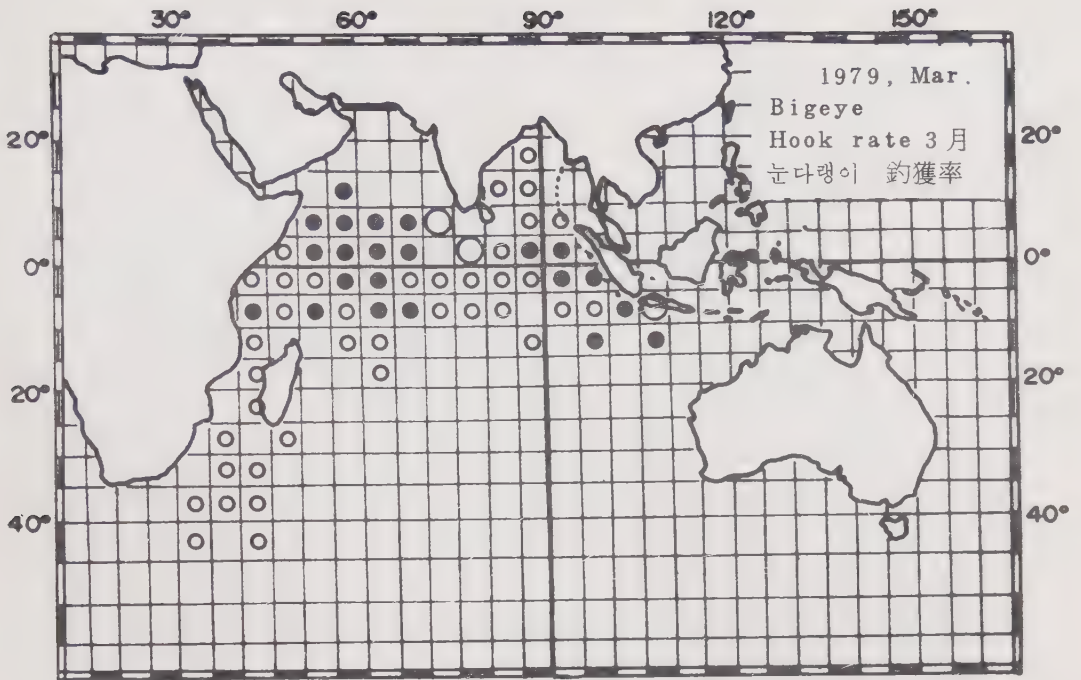


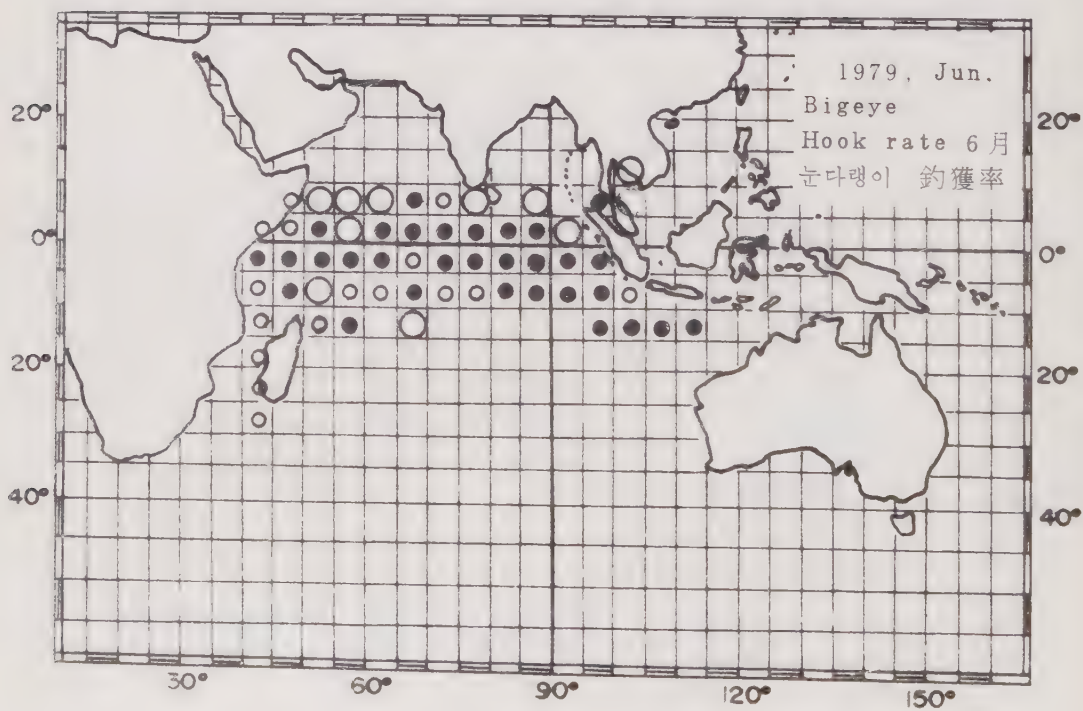
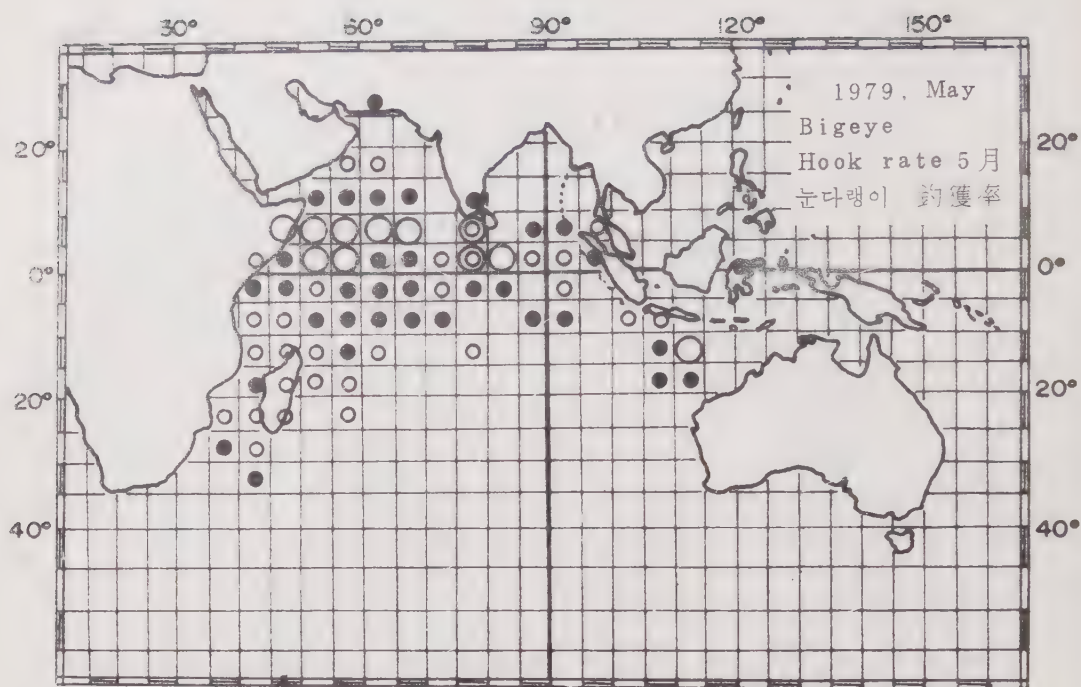


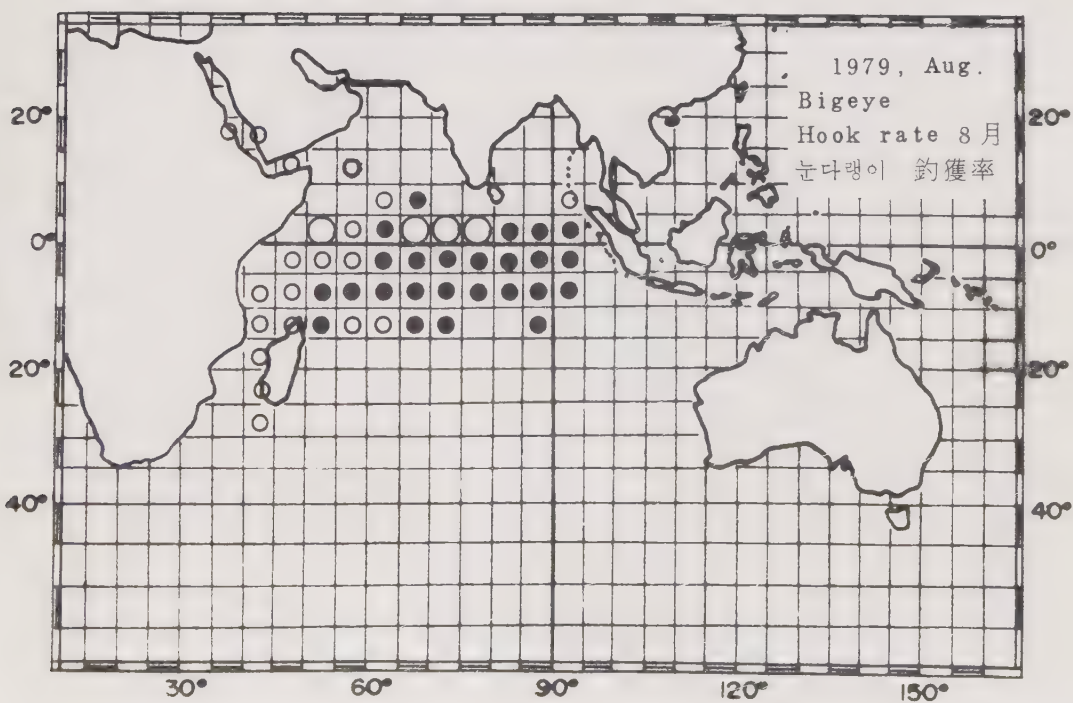
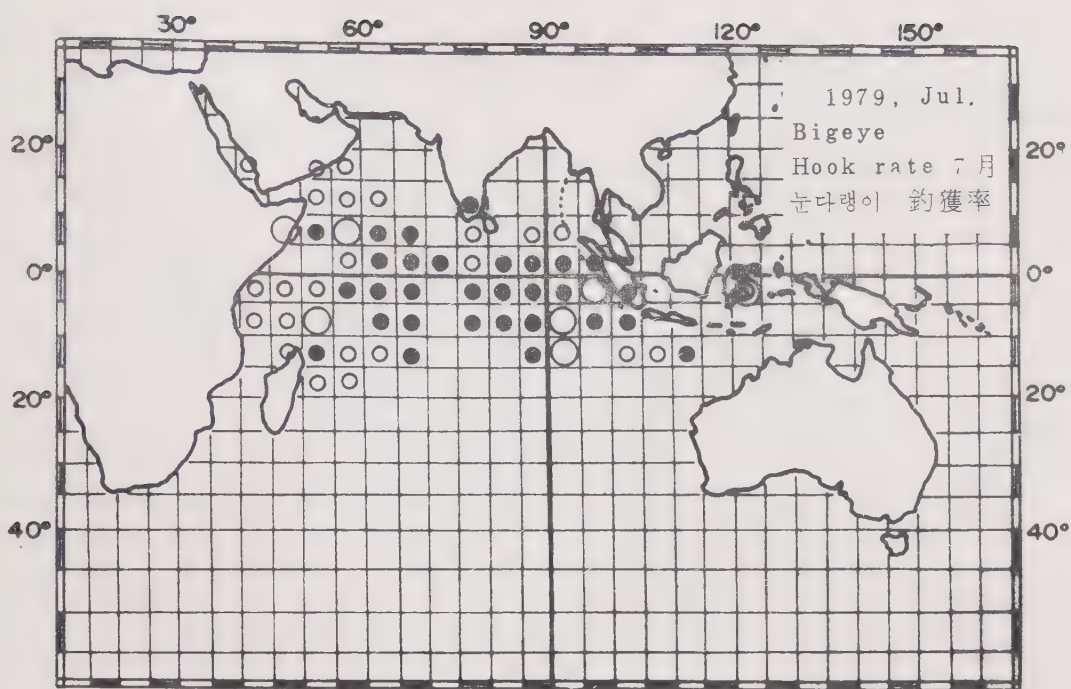




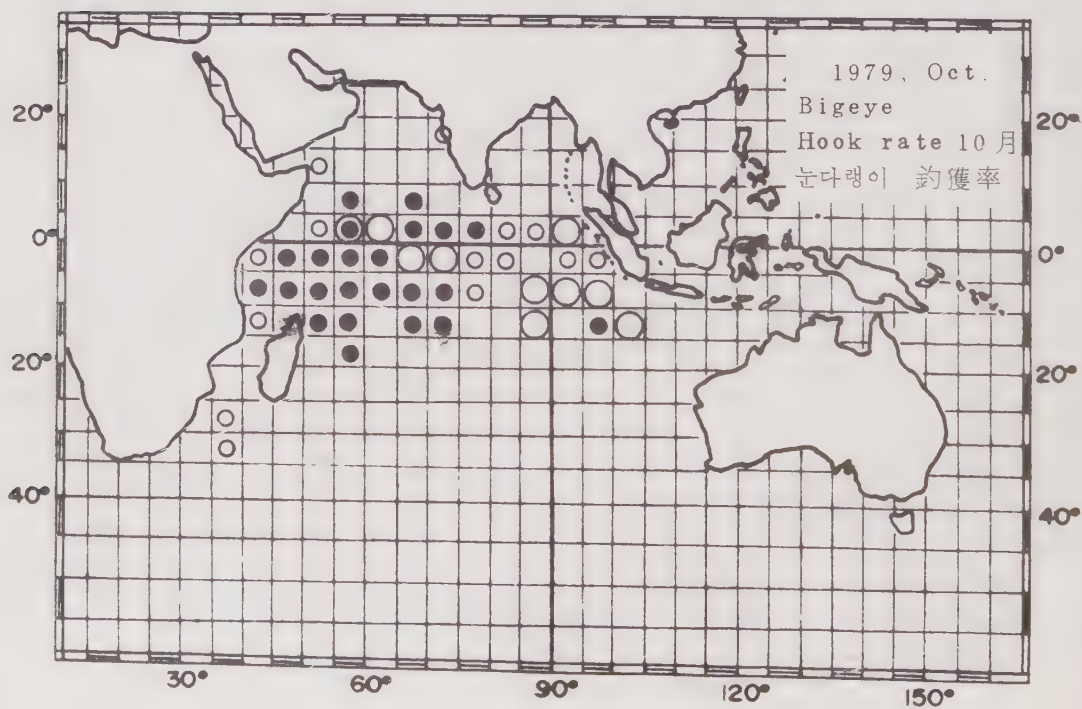
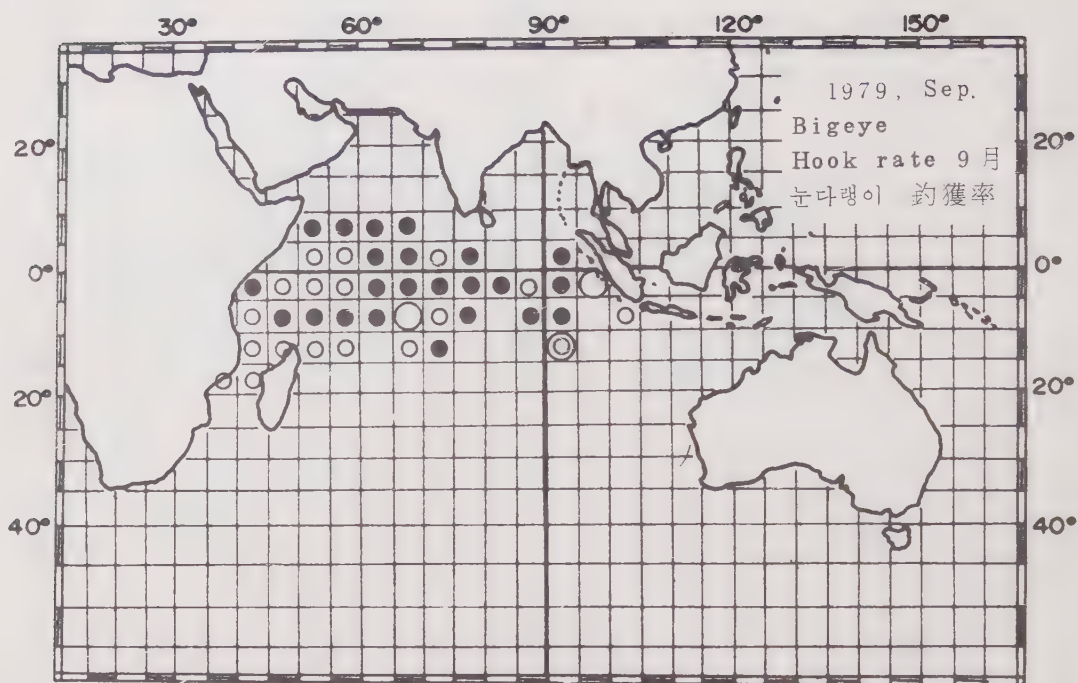


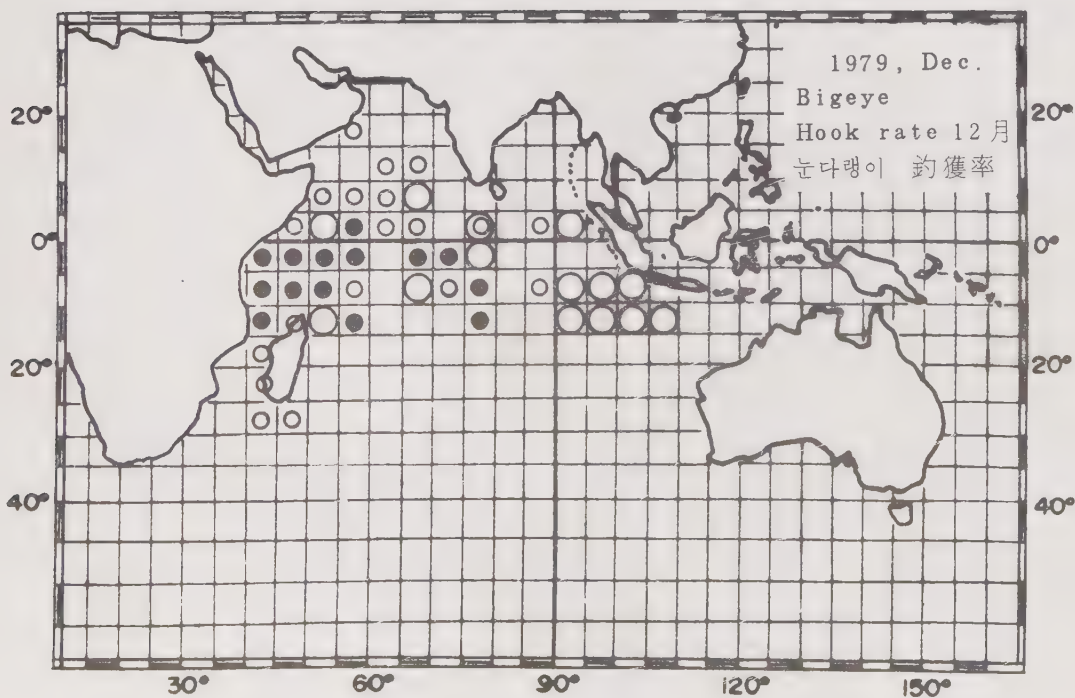
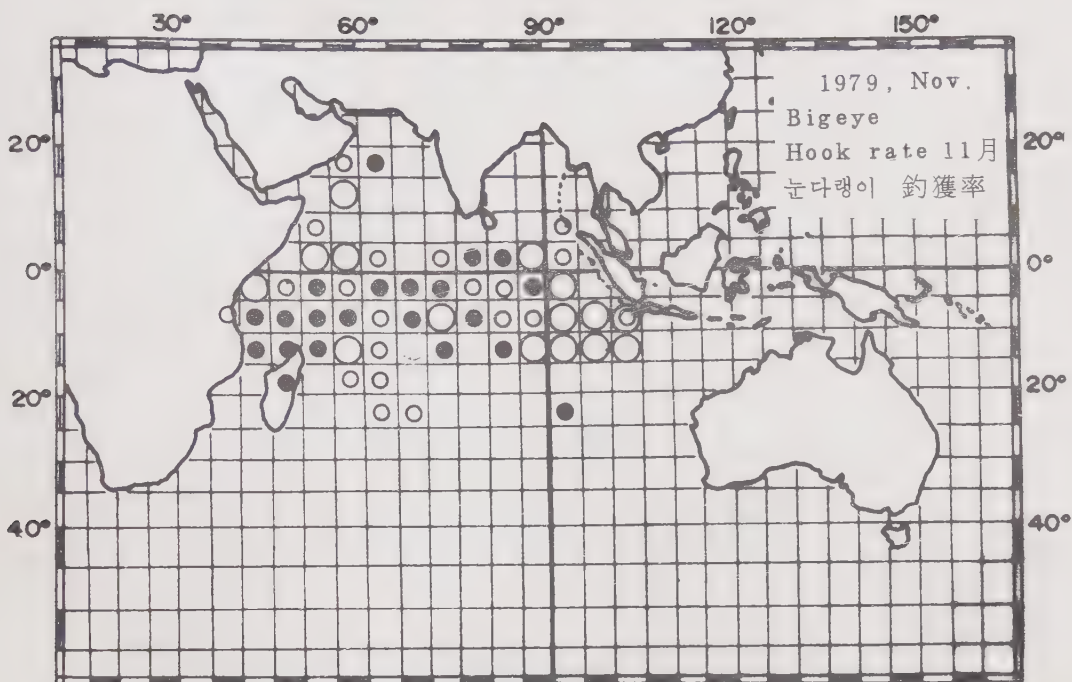


















1. 全魚種의 分期別 月別 釣獲率 및 努力量 分布圖

Distribution of hook rate and fishing effort of all species by month and by quarter

2. 魚種別 分期別 月別 釣獲率 및 努力量 分布圖

날개 다랭이, 황다랭이, 눈다랭이

Distribution of hook rate and fishing effort by species by month and by quarter

Albacore, Yellowfin, Bigeye



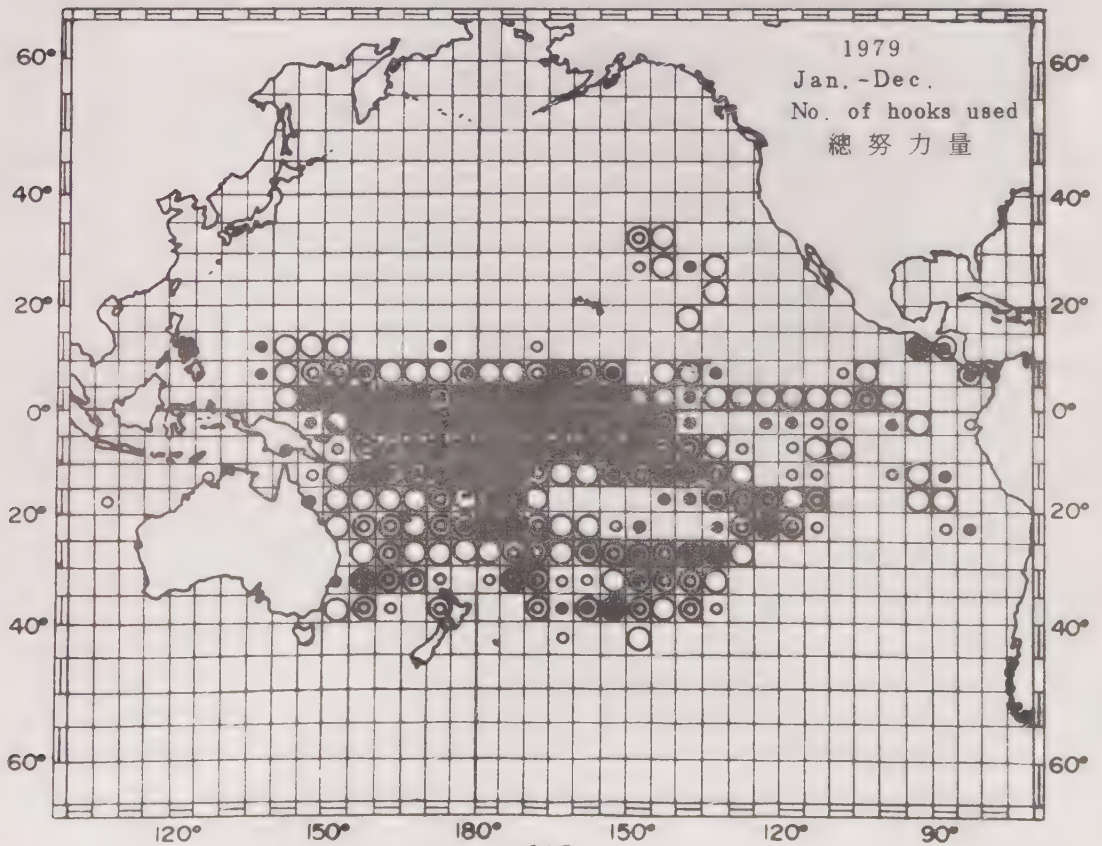
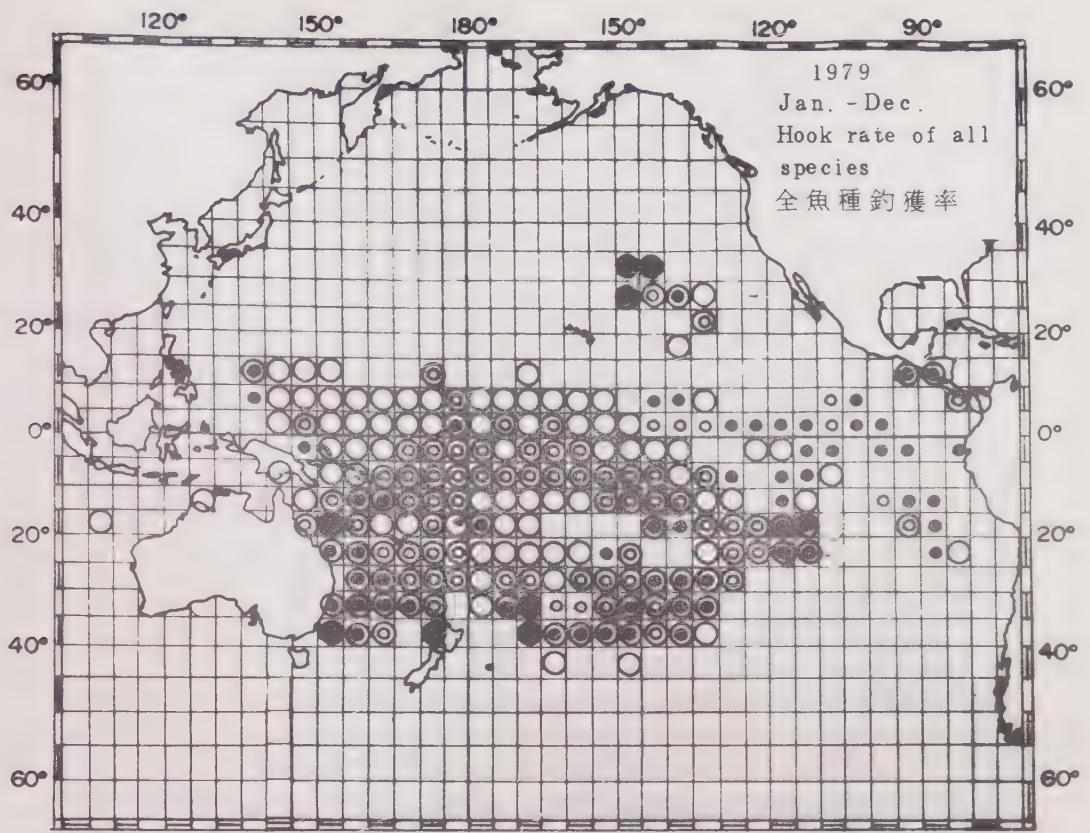
## 全 魚 種

分期別 月別 釣獲率 及 漁獲努力 分布圖

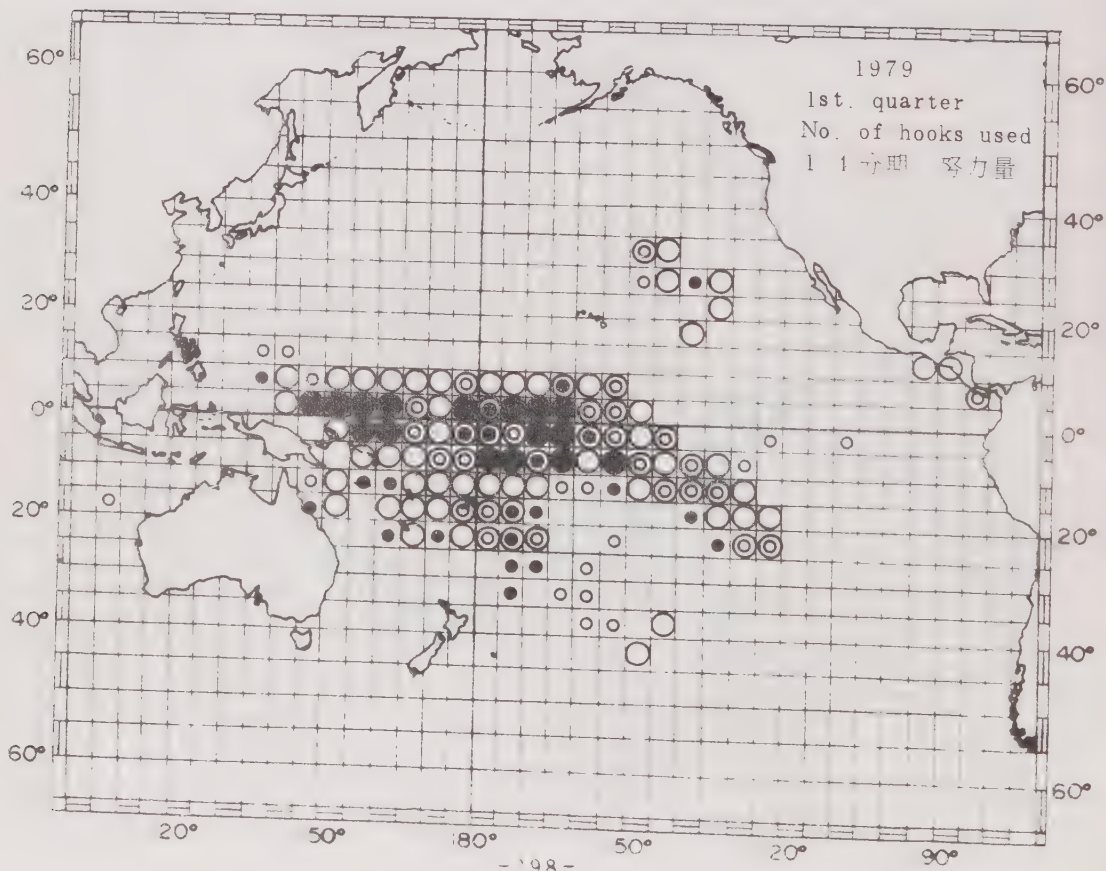
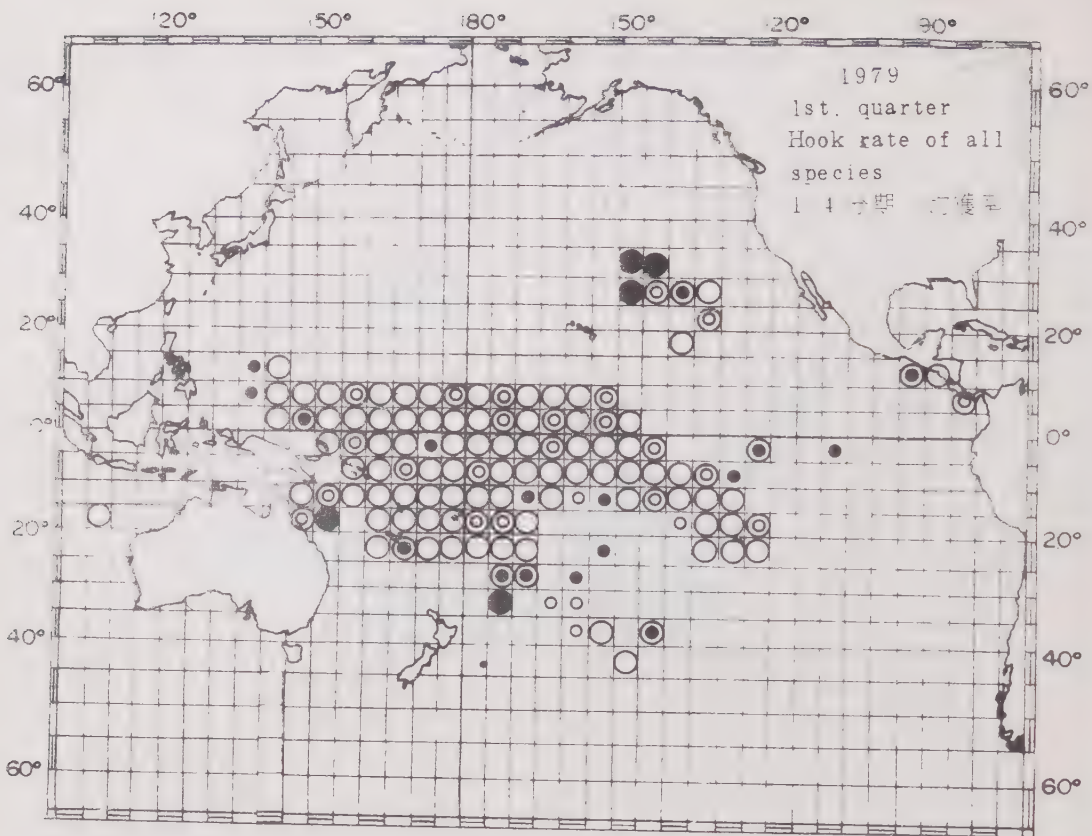
All species

Hook rate and fishing effort by month  
and by quarter

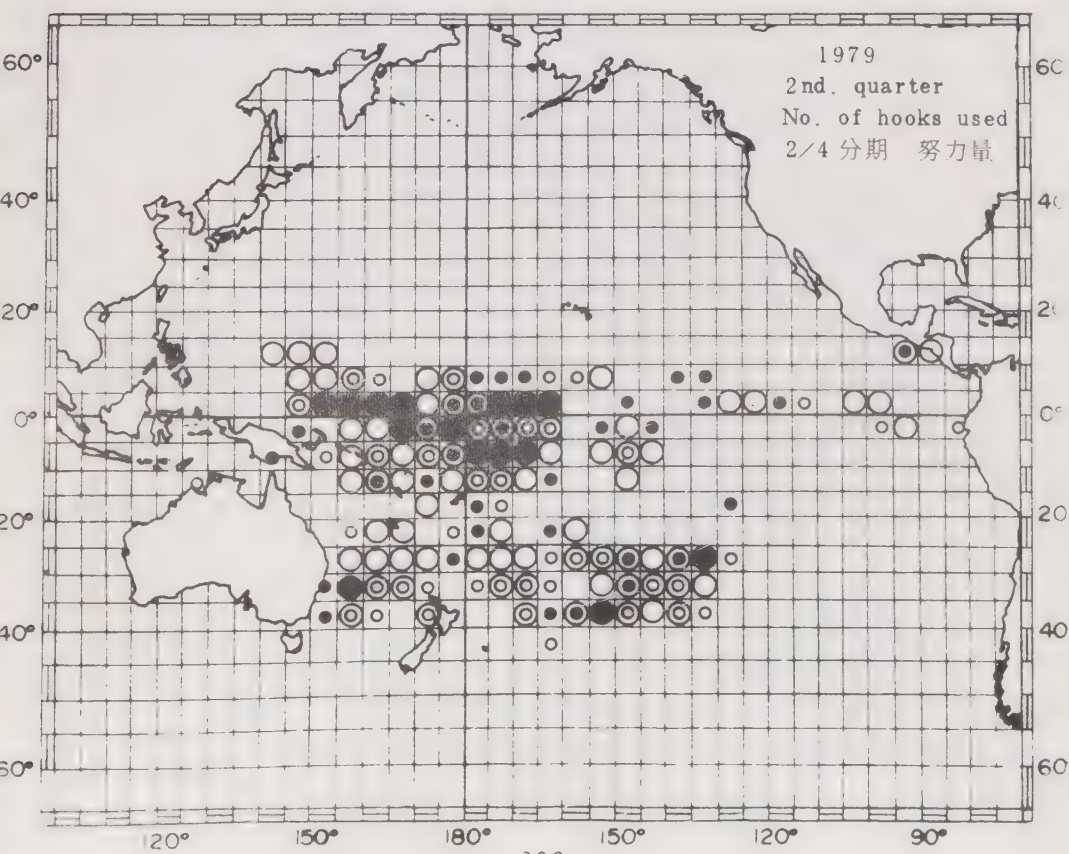
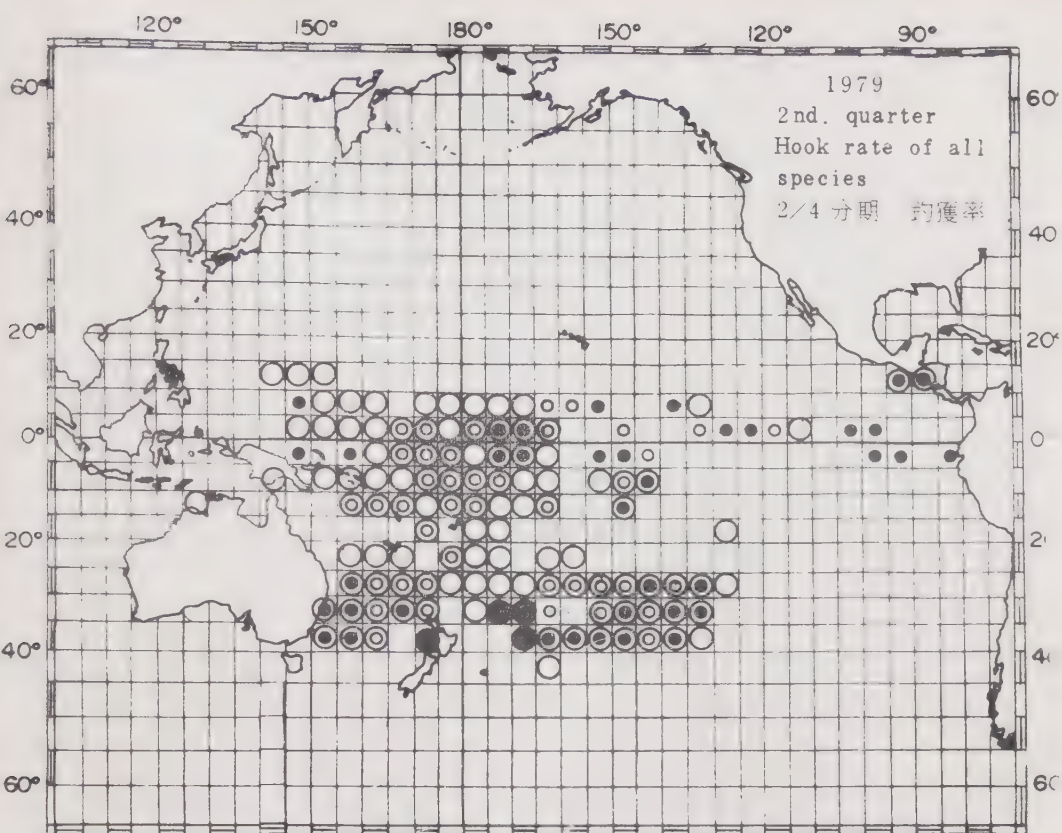


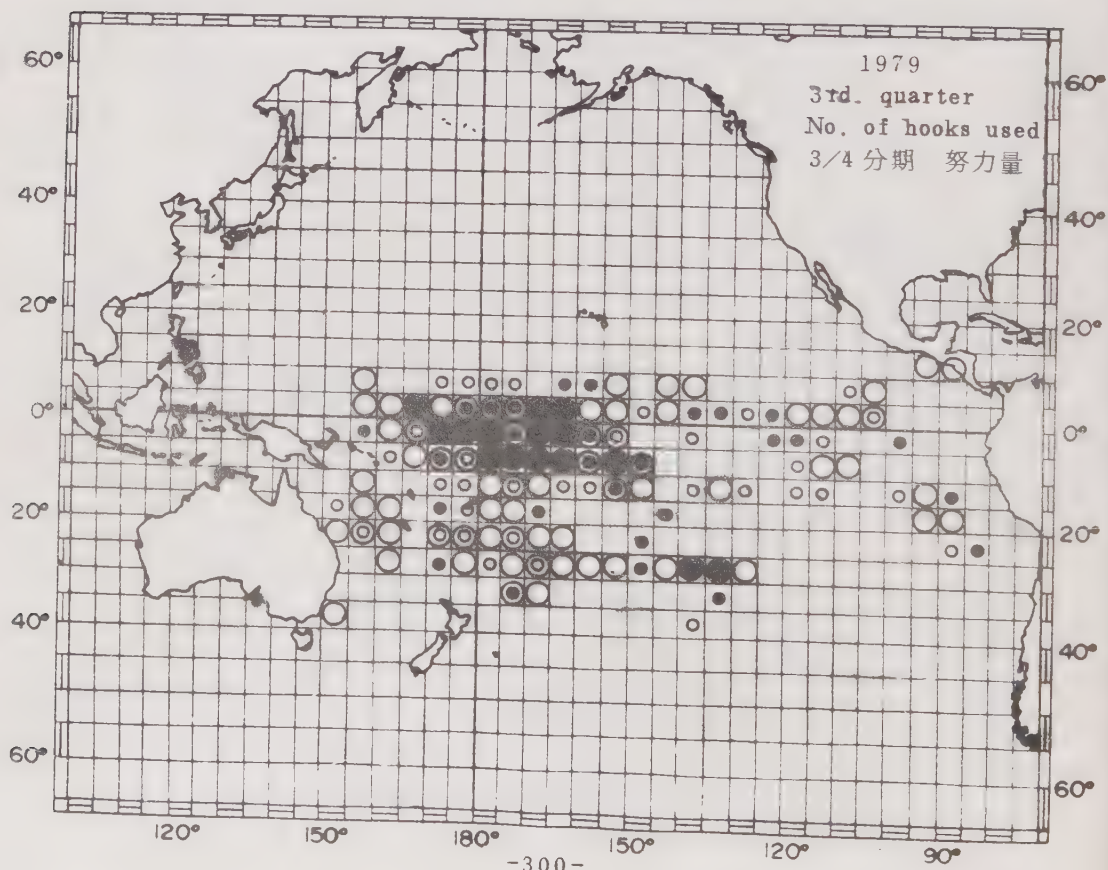
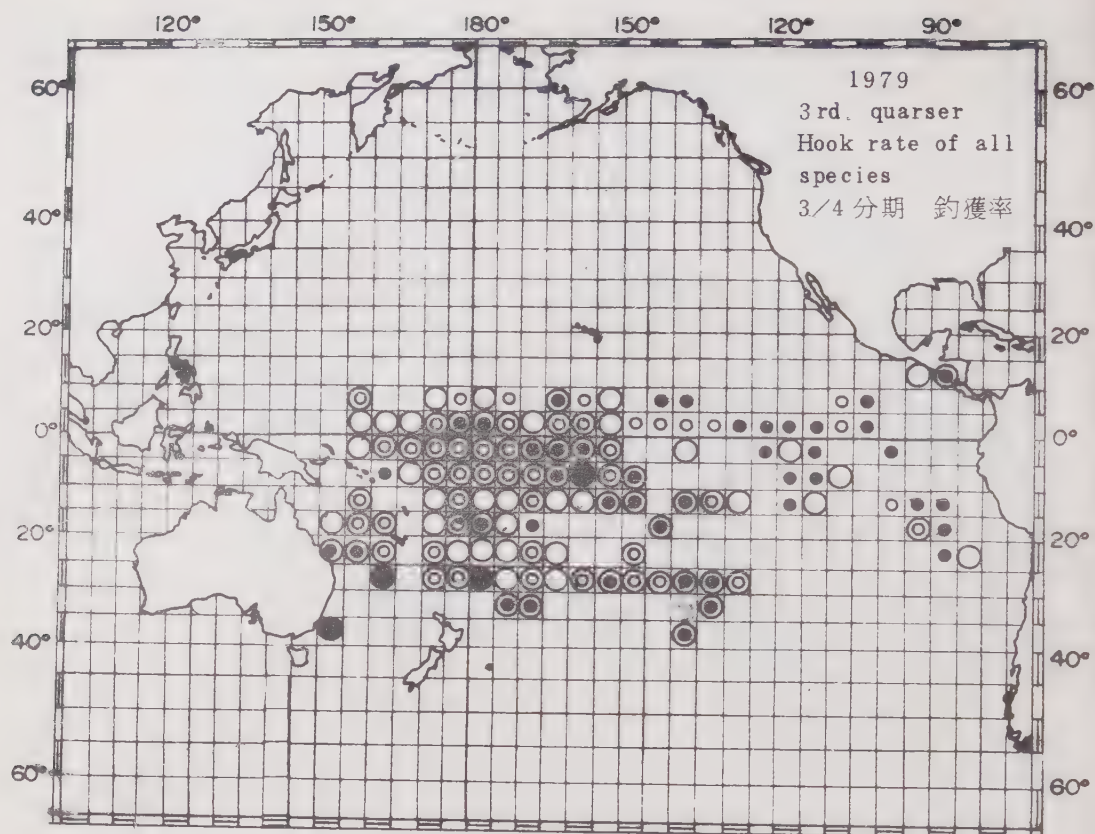




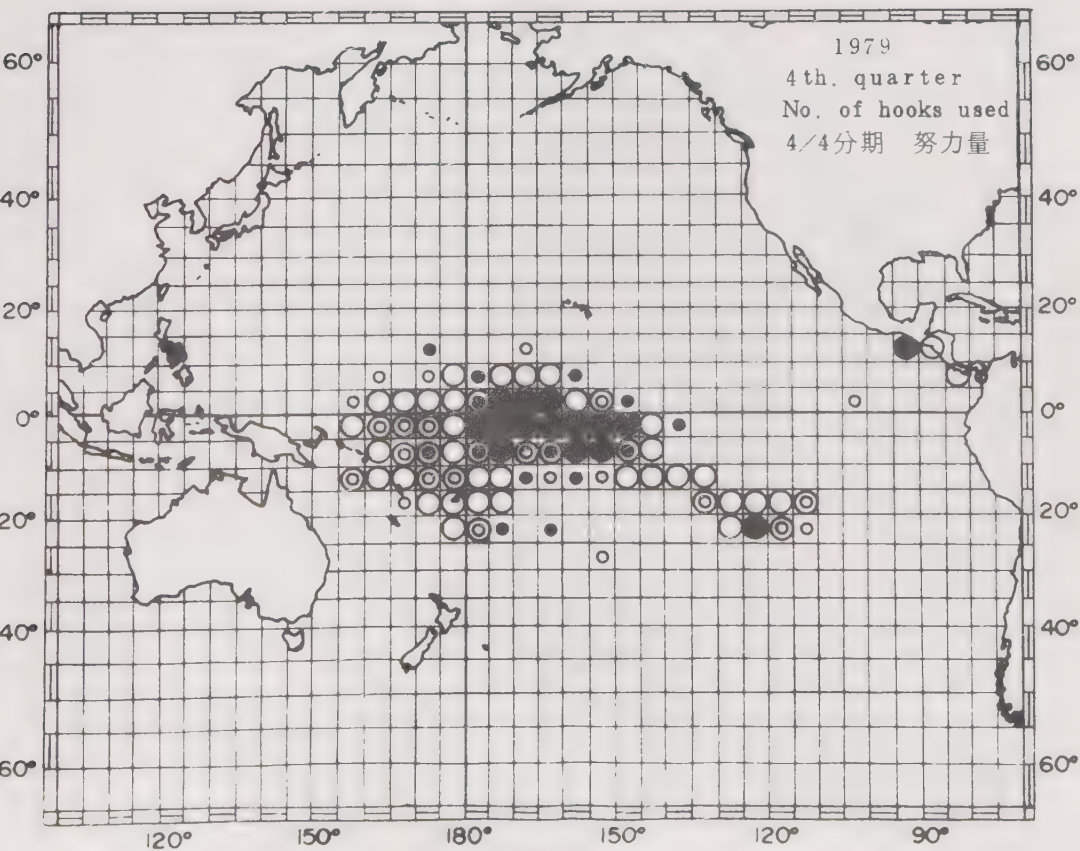
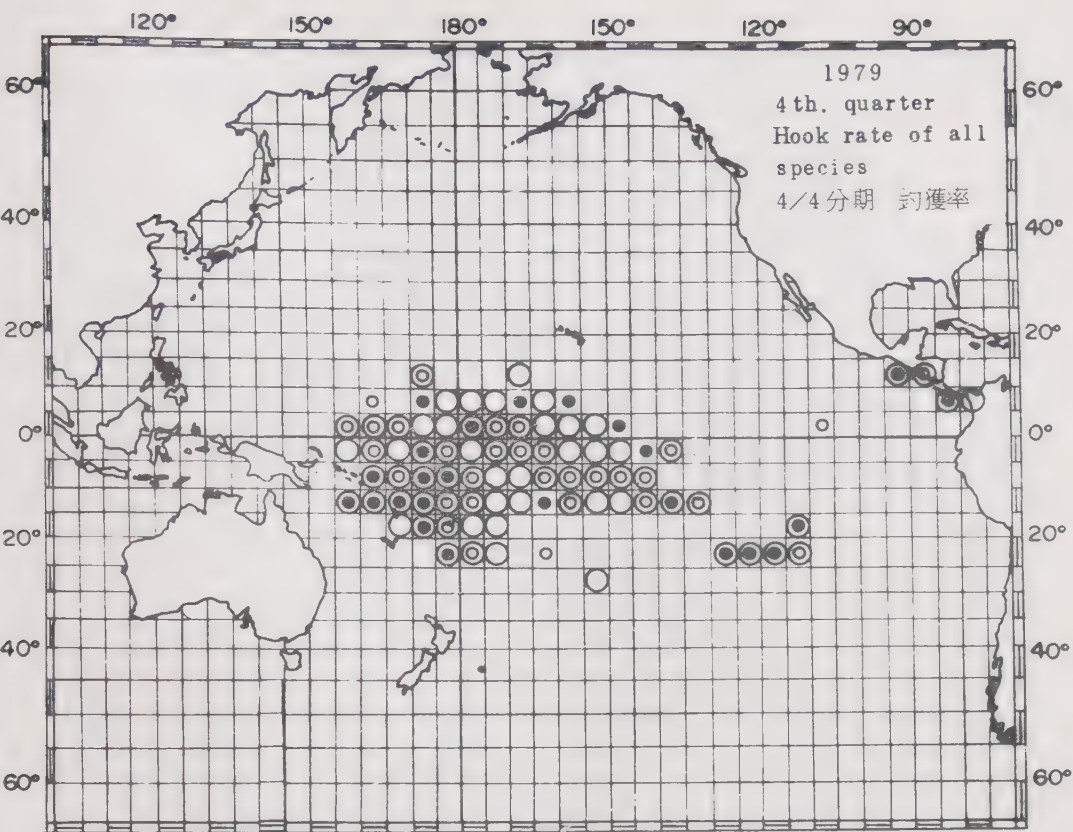


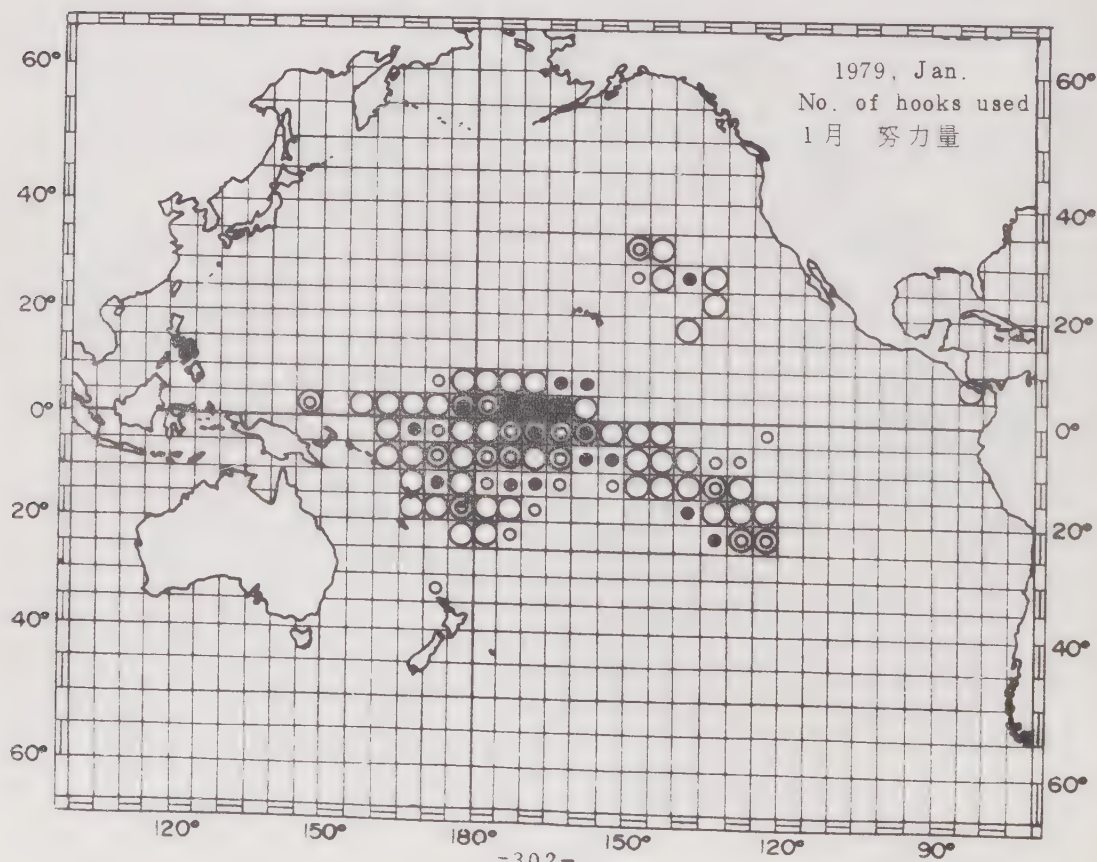
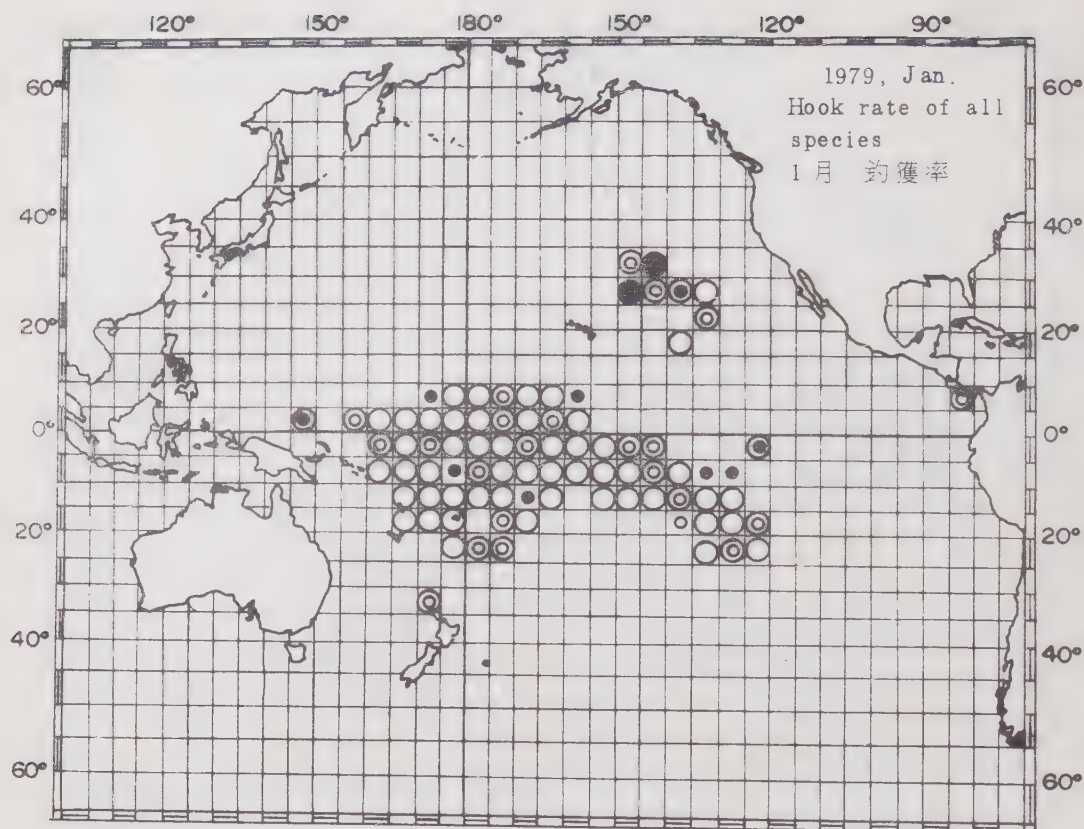




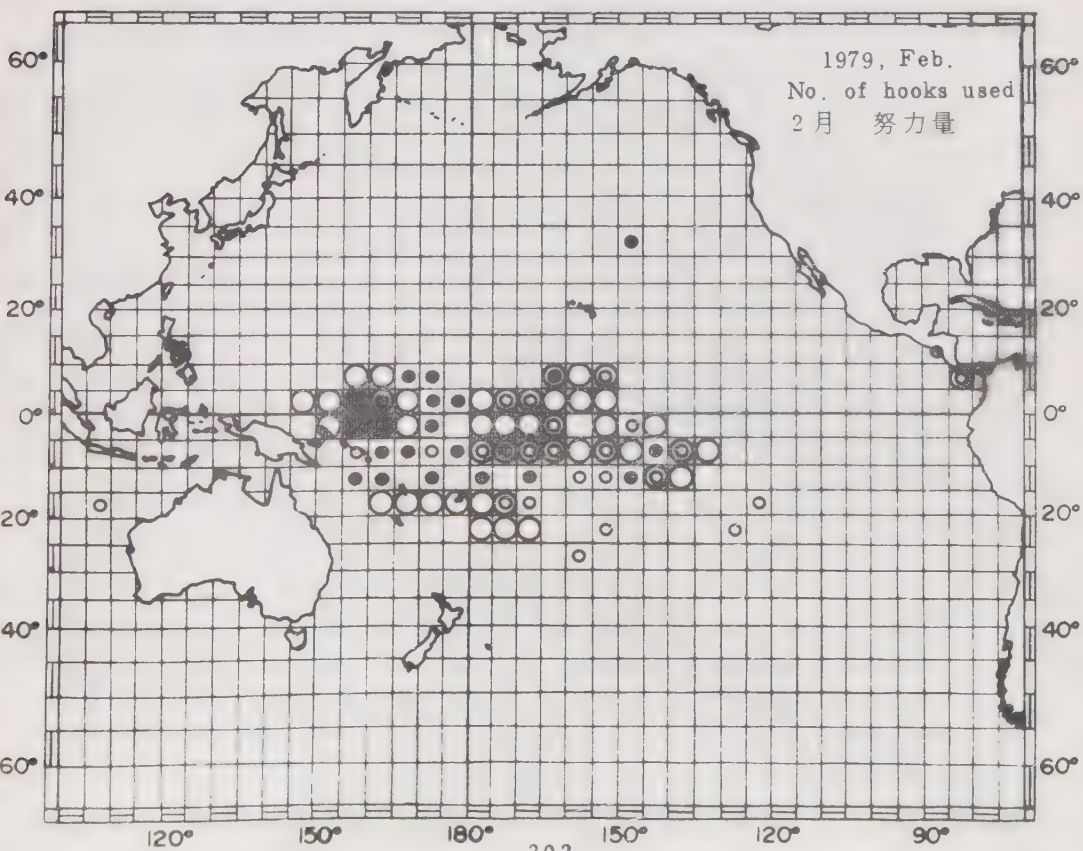
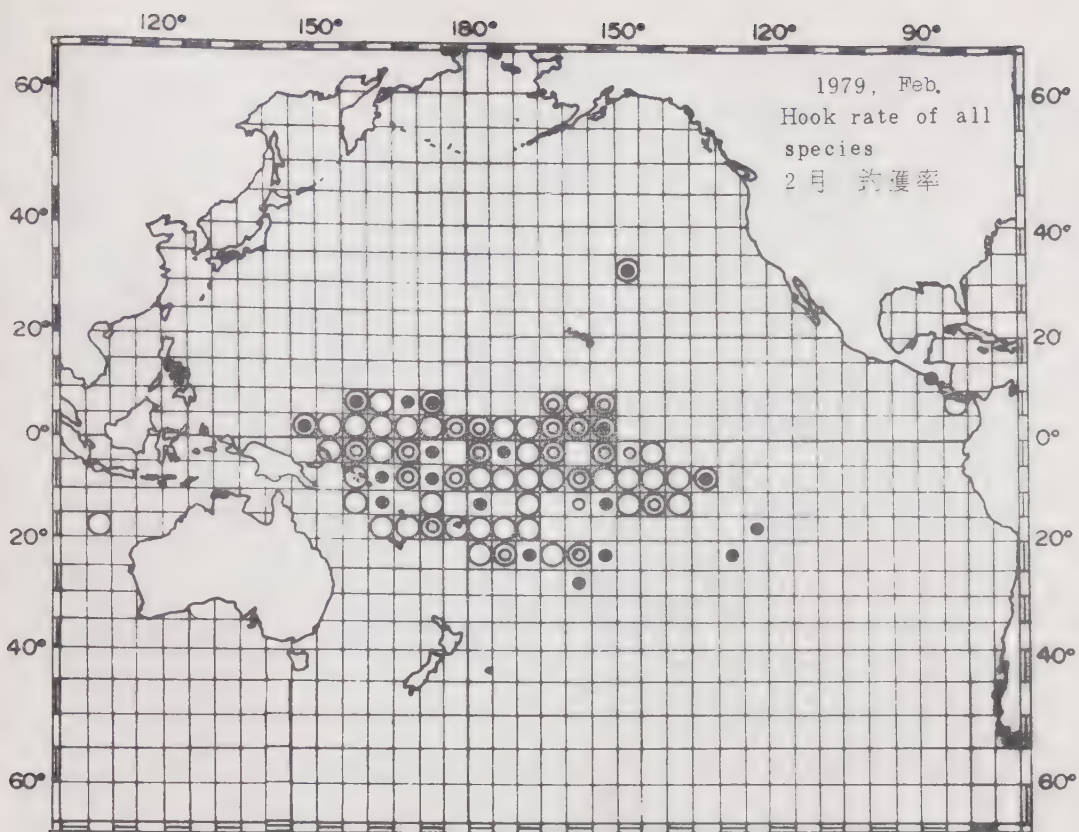


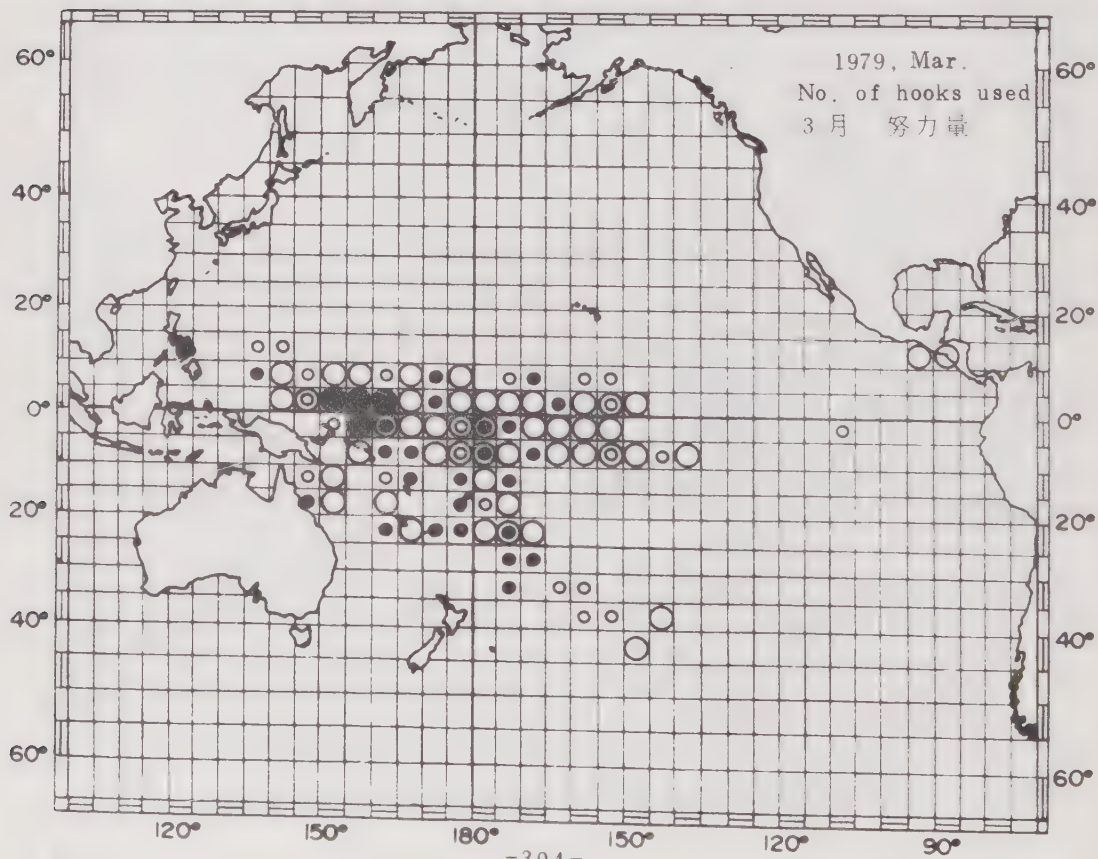
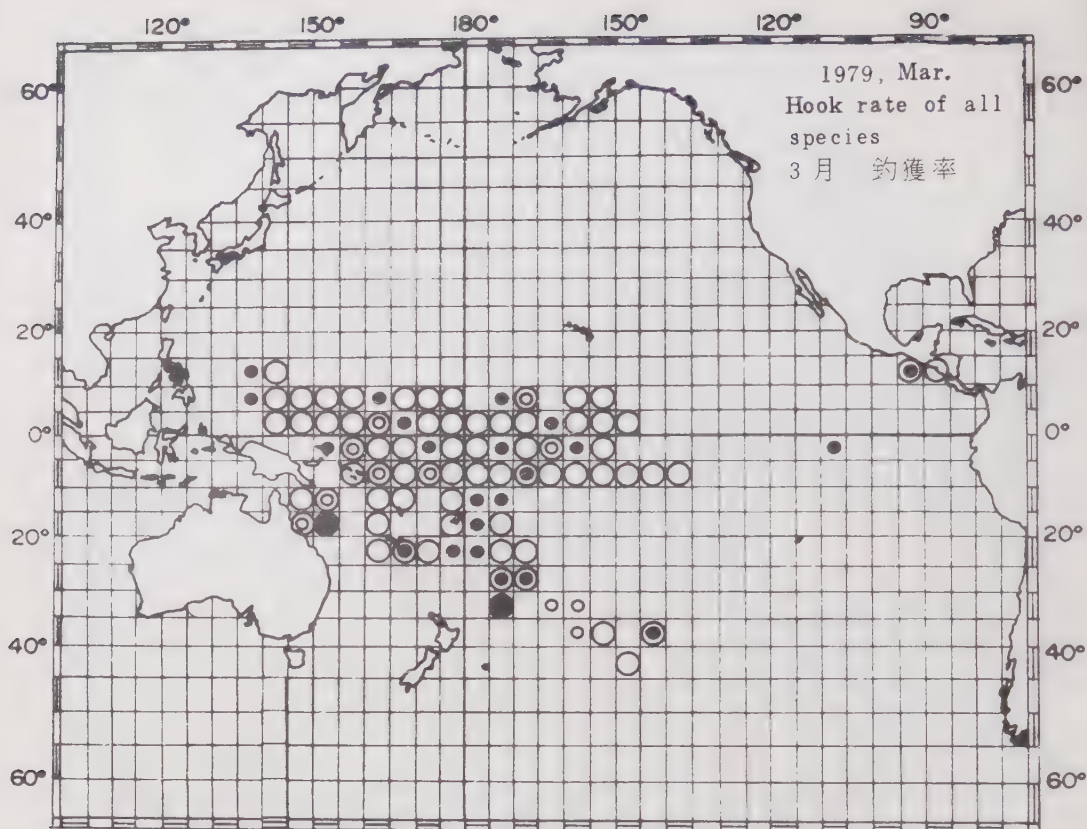




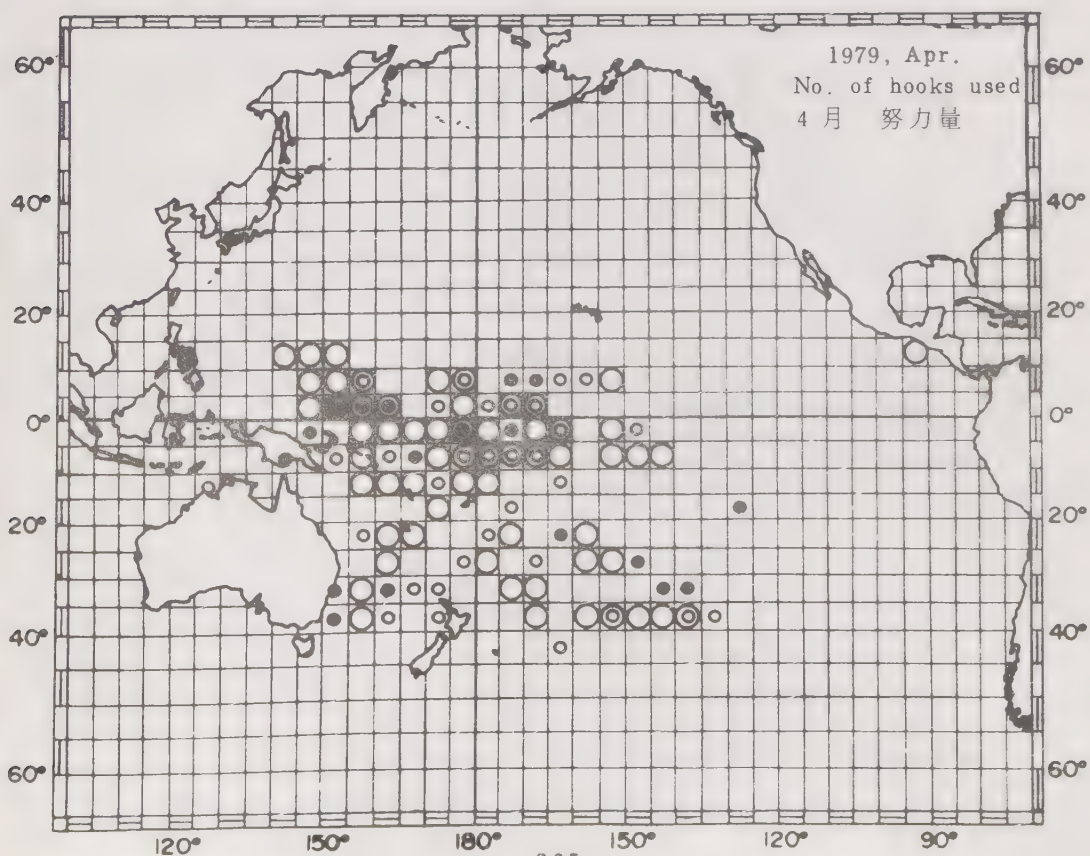
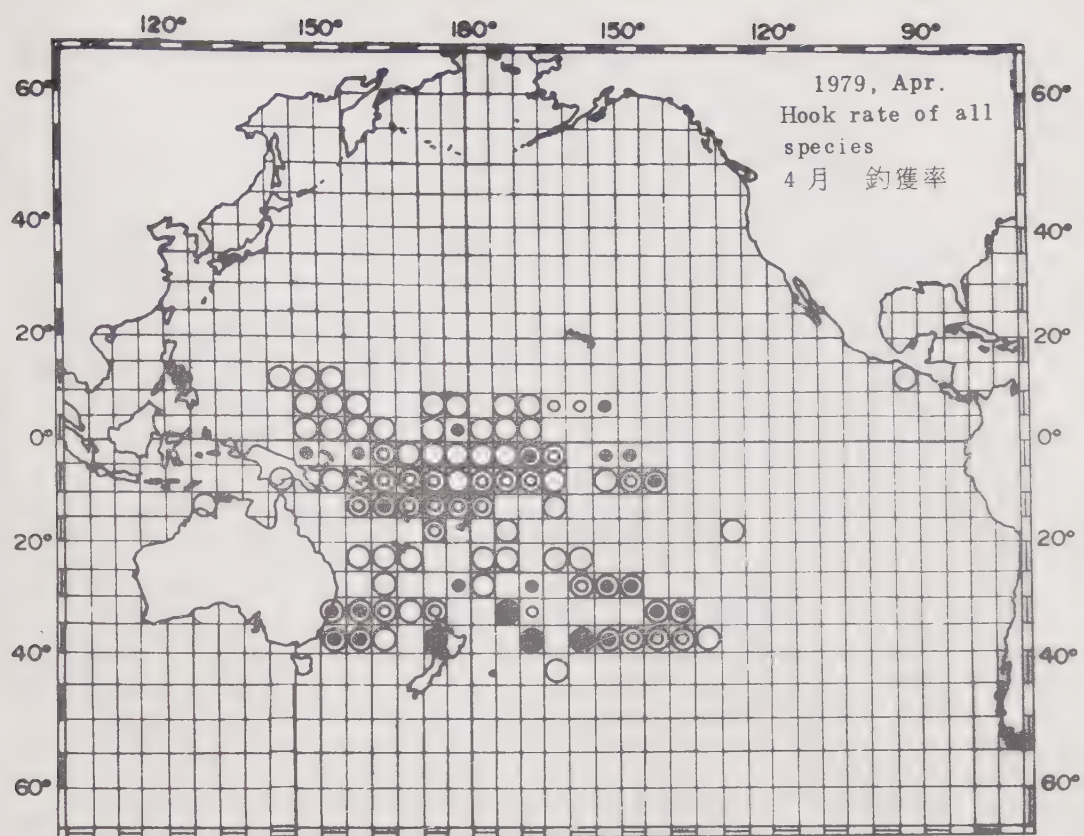


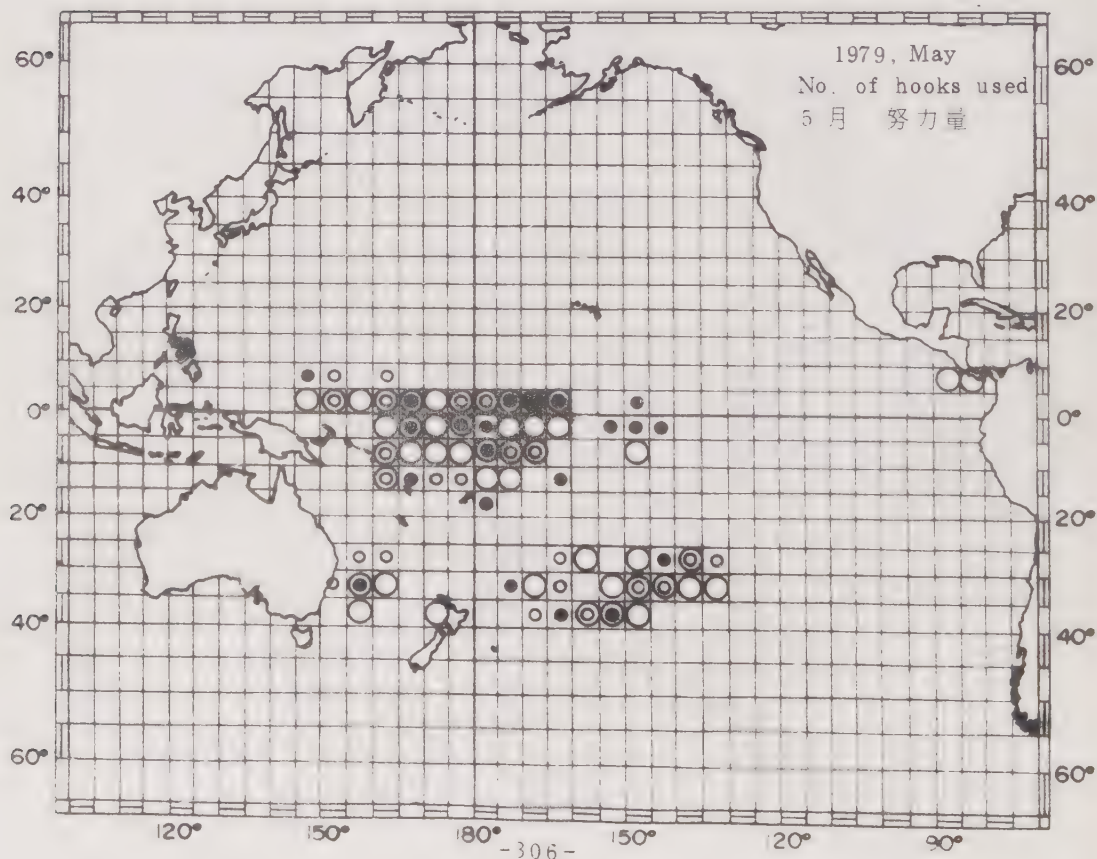
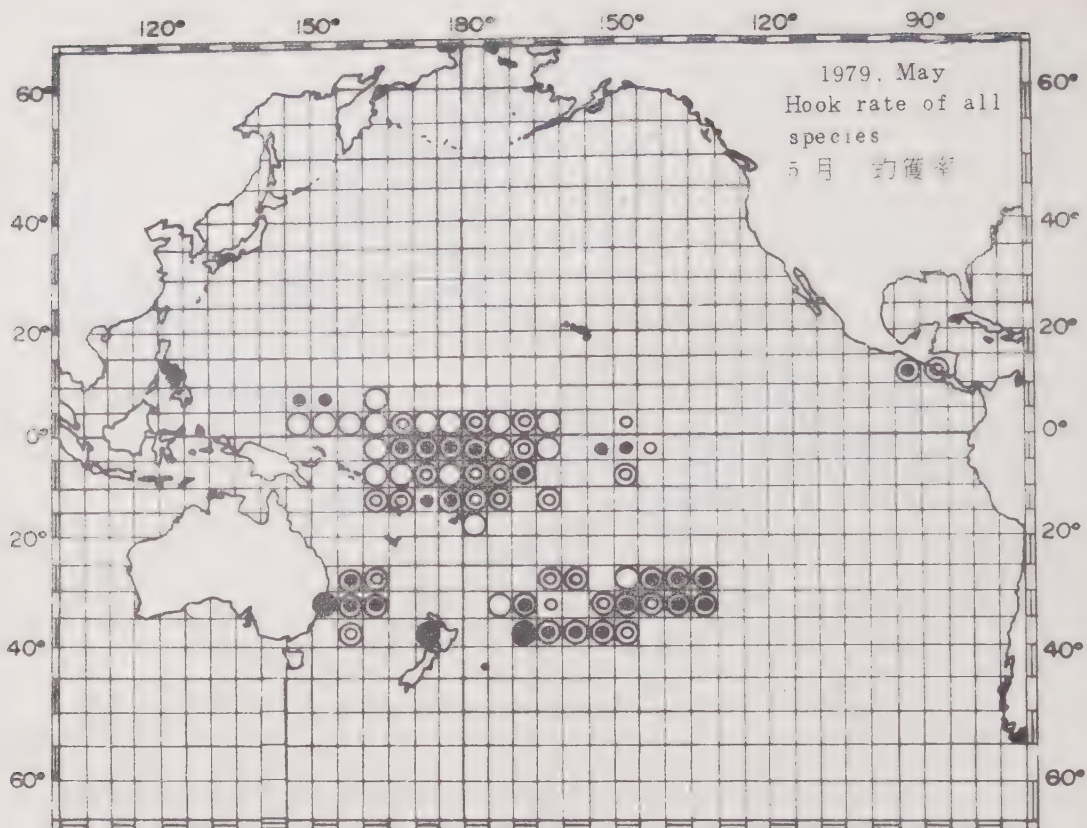




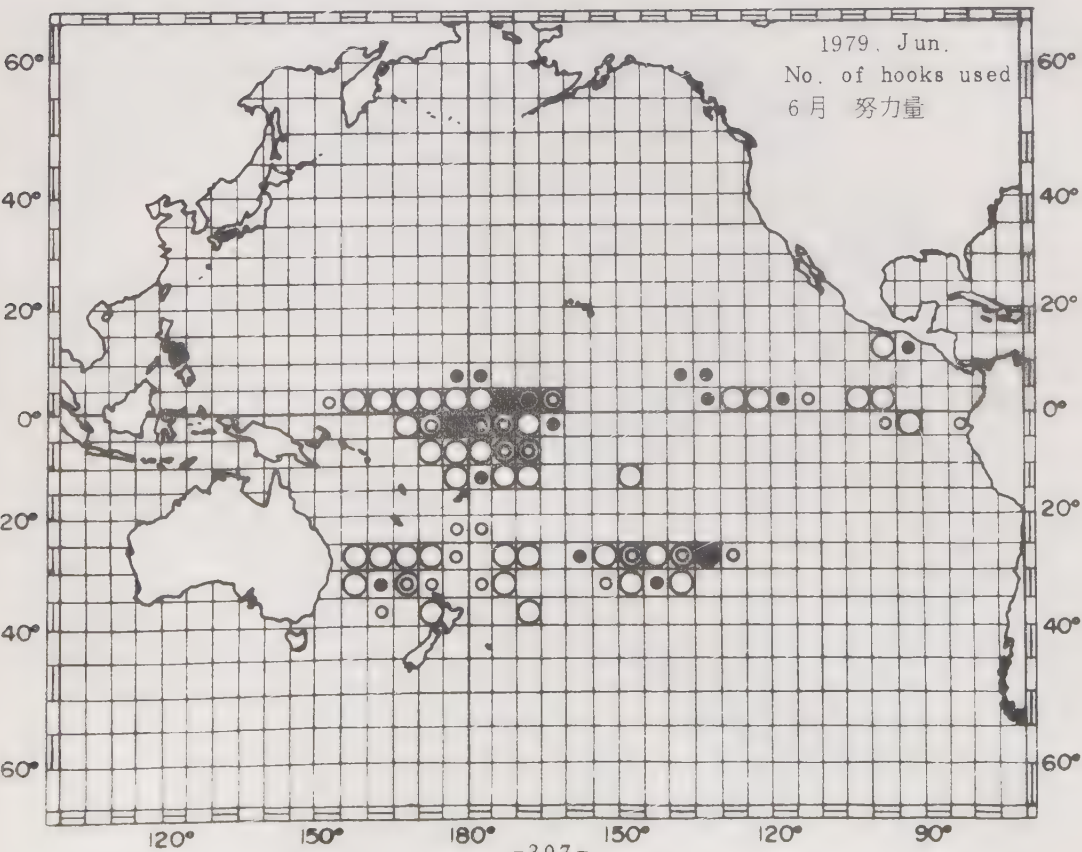
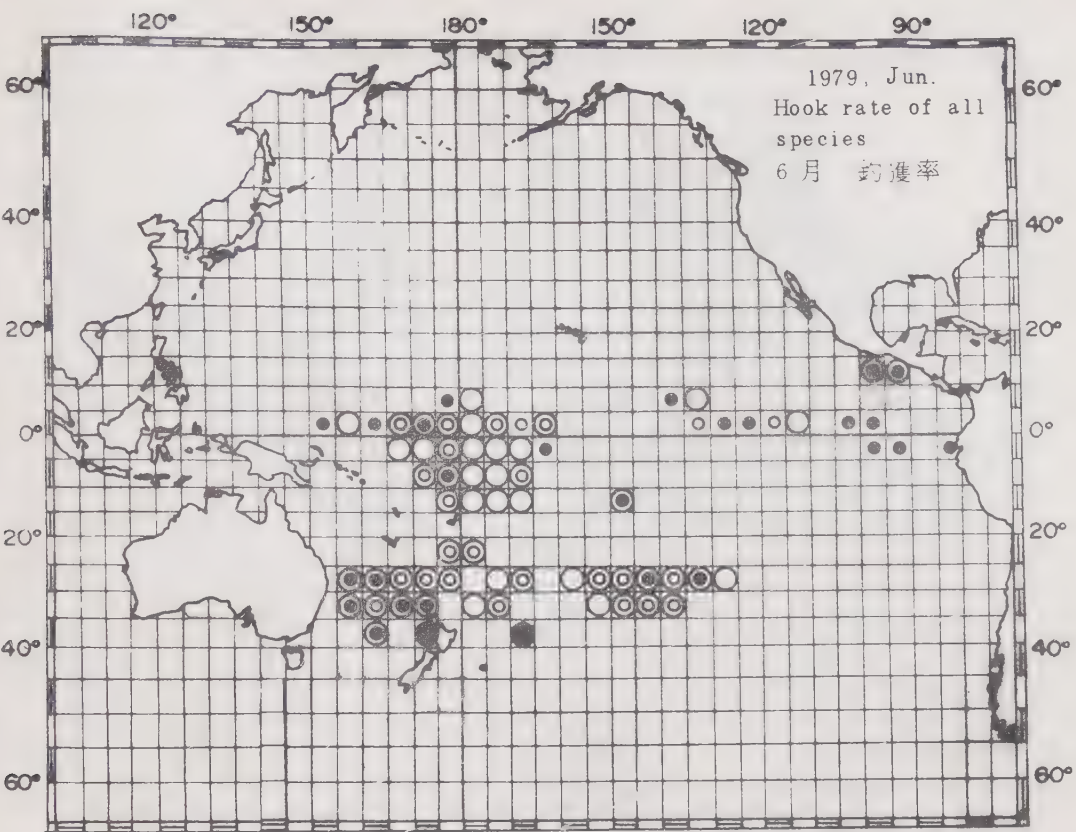


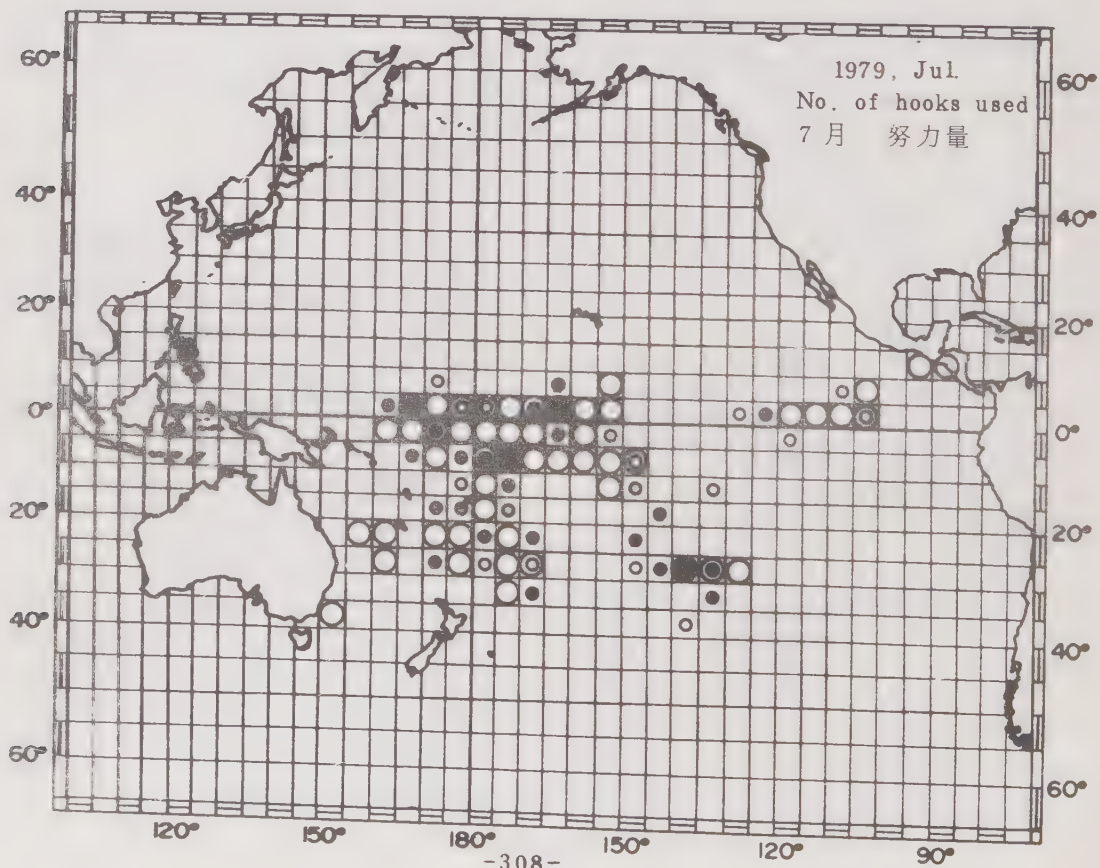
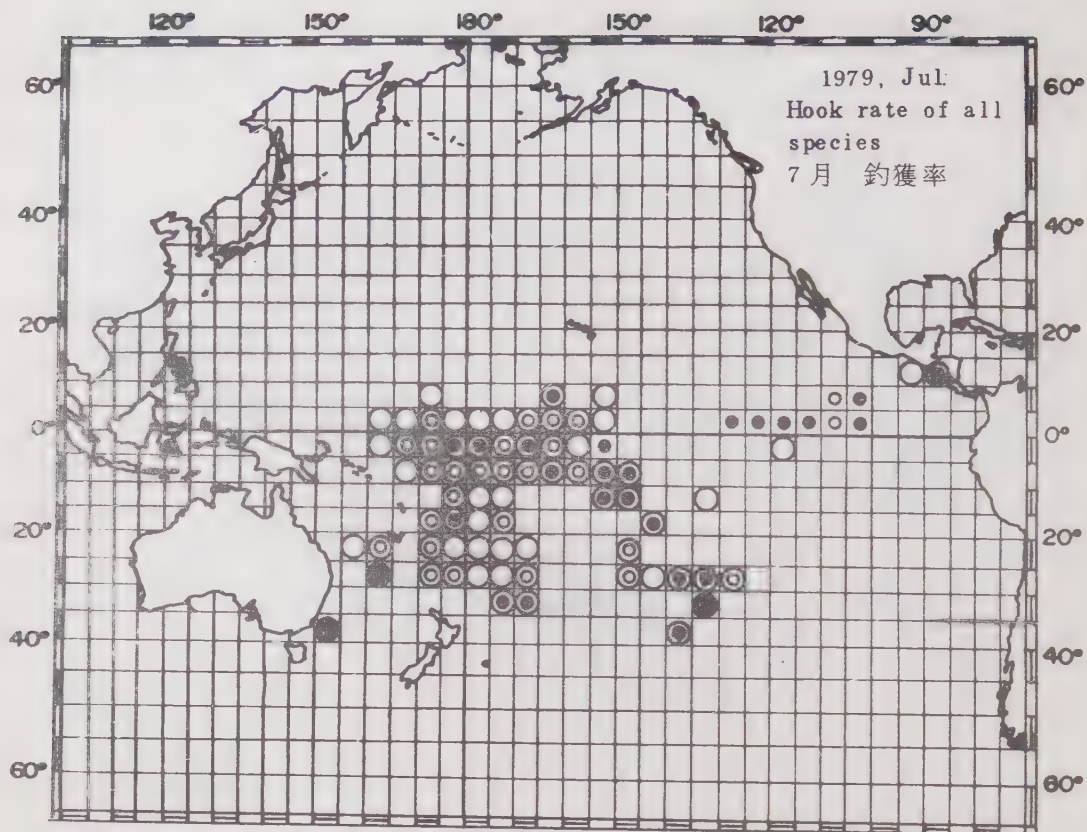




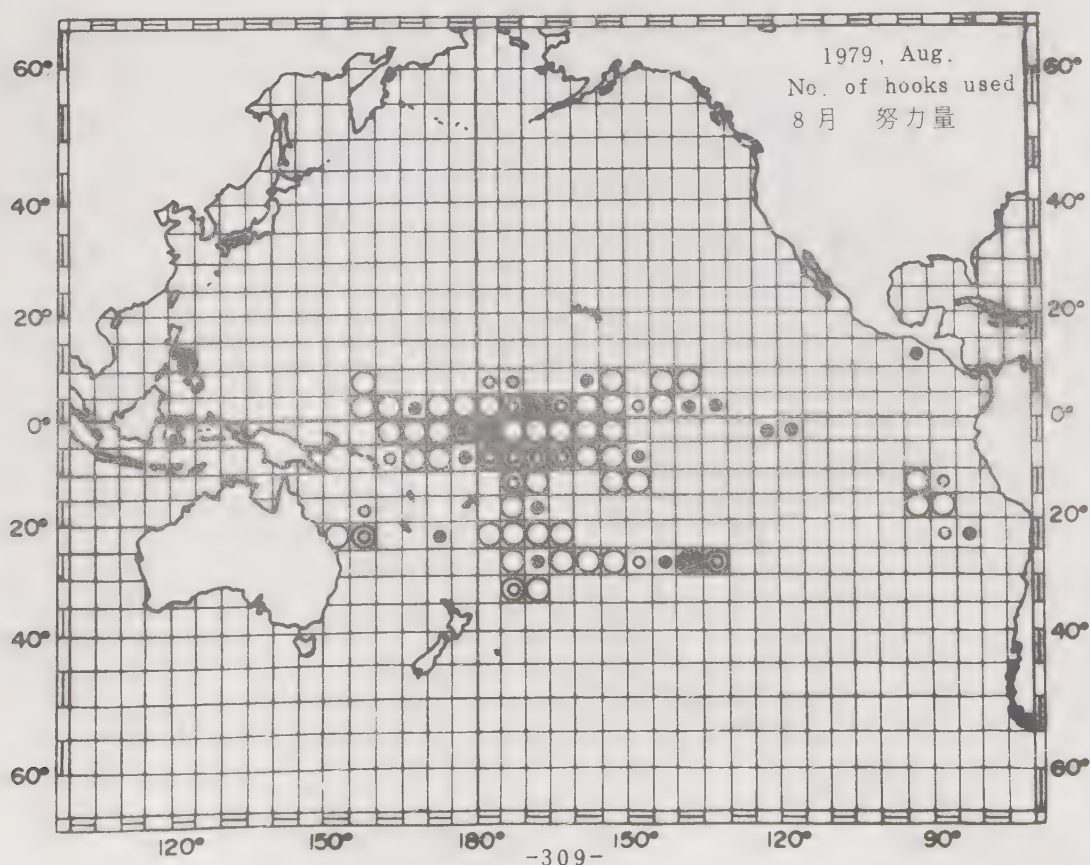
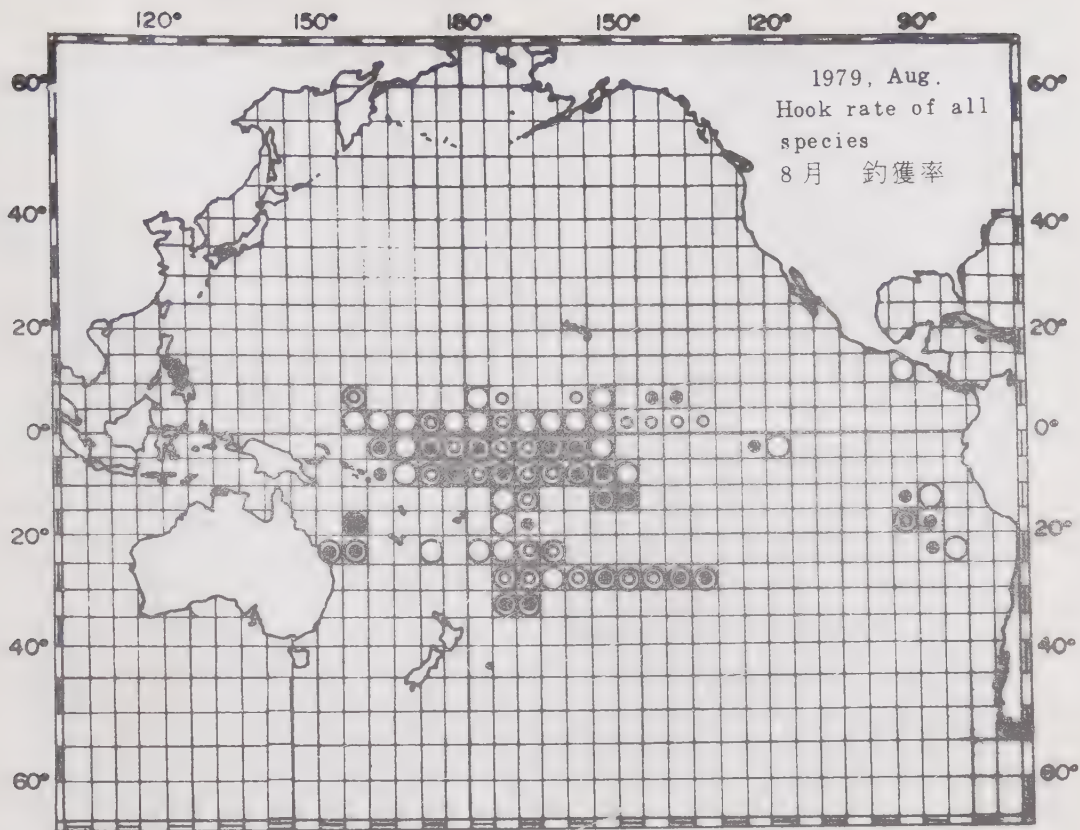


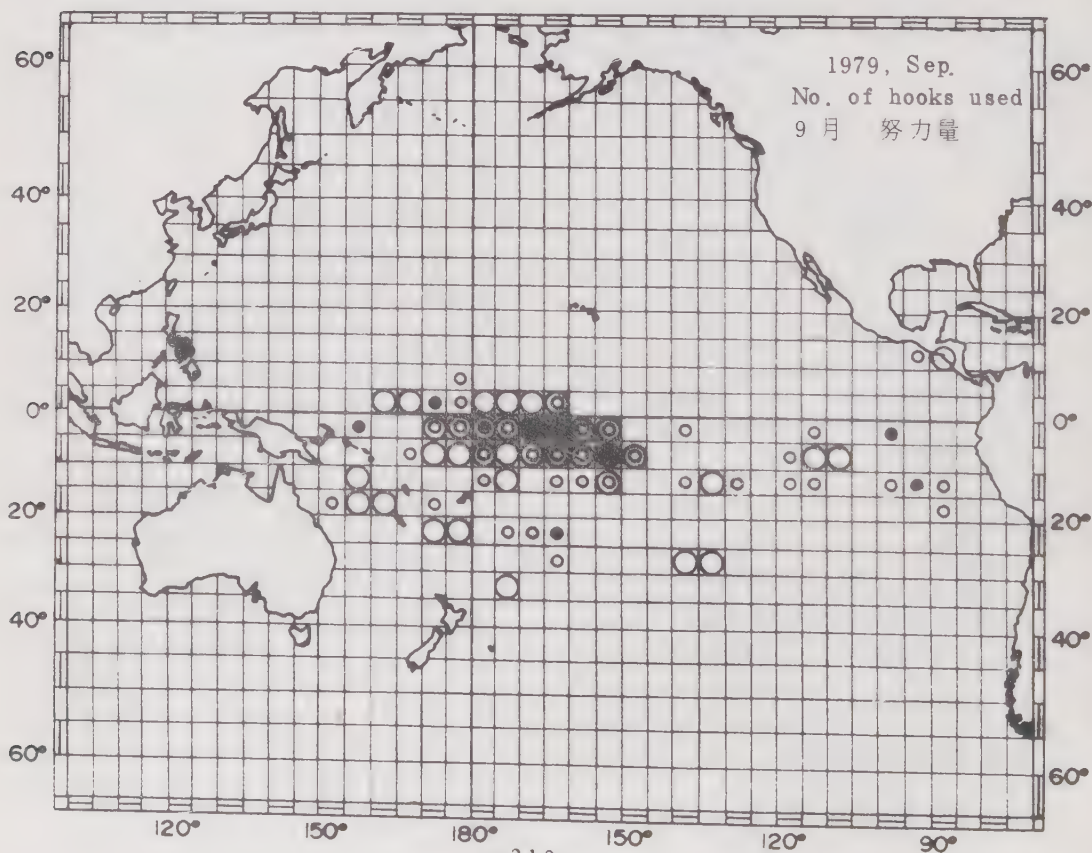
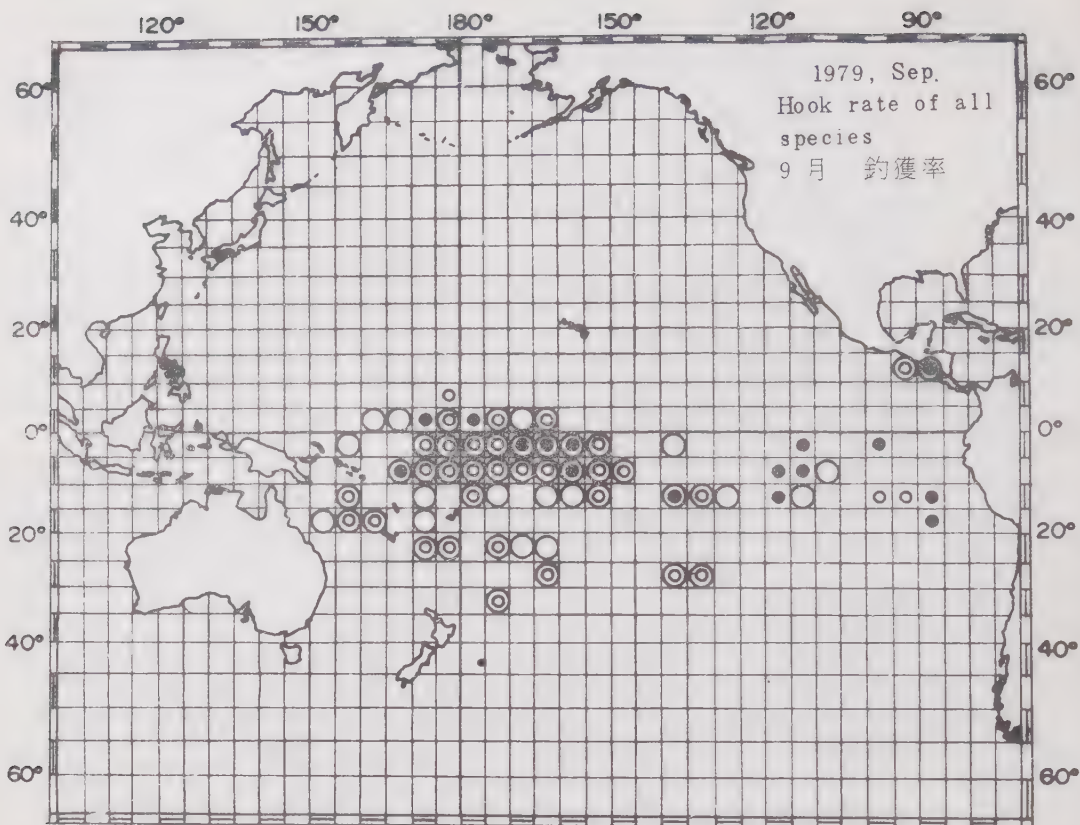




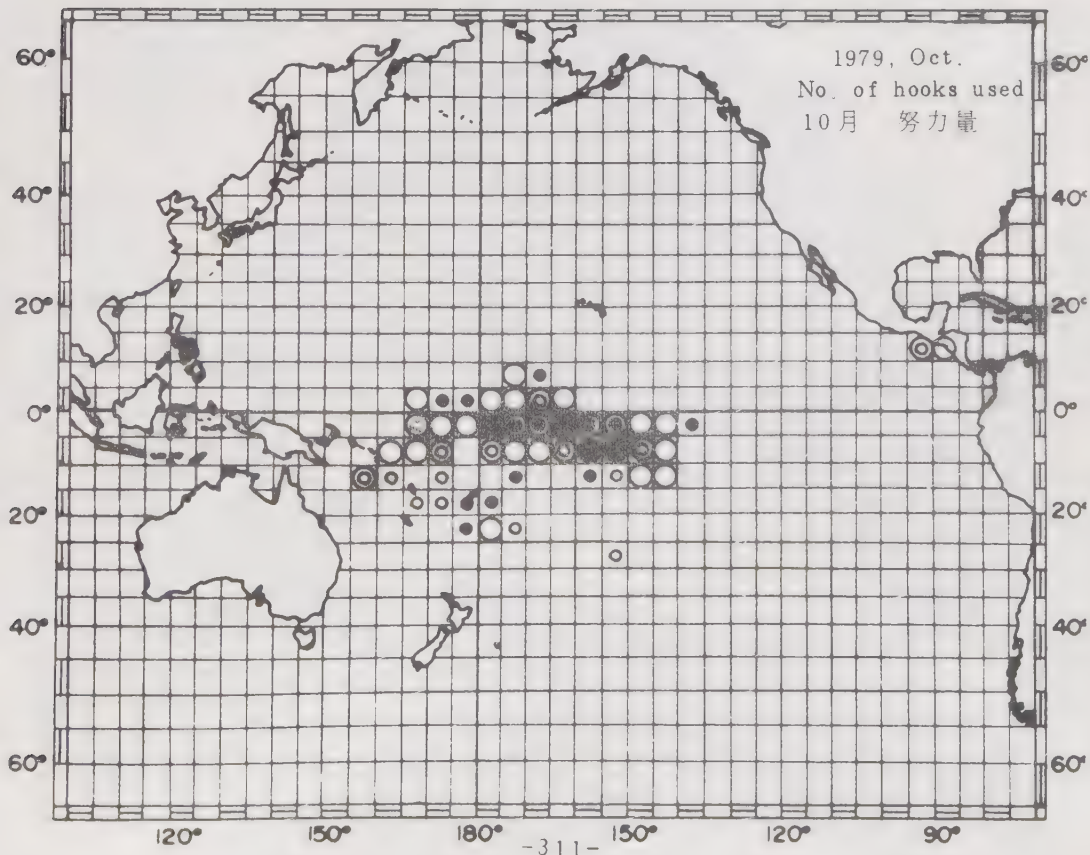
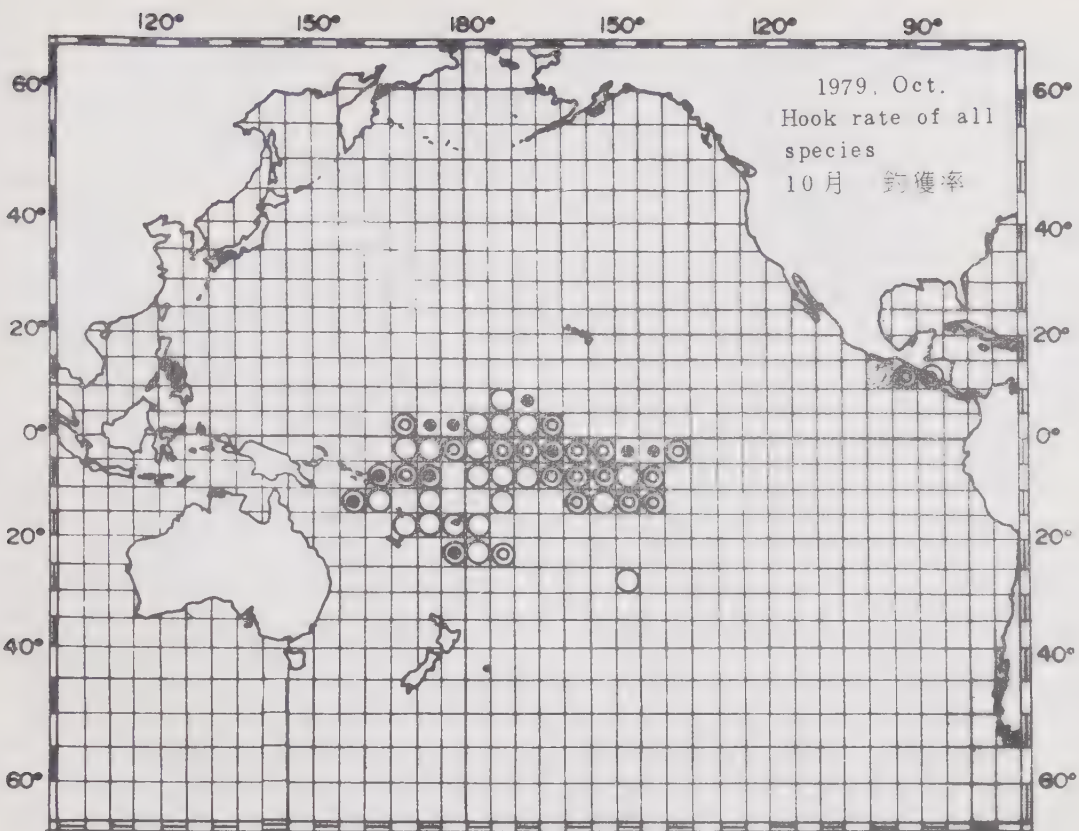


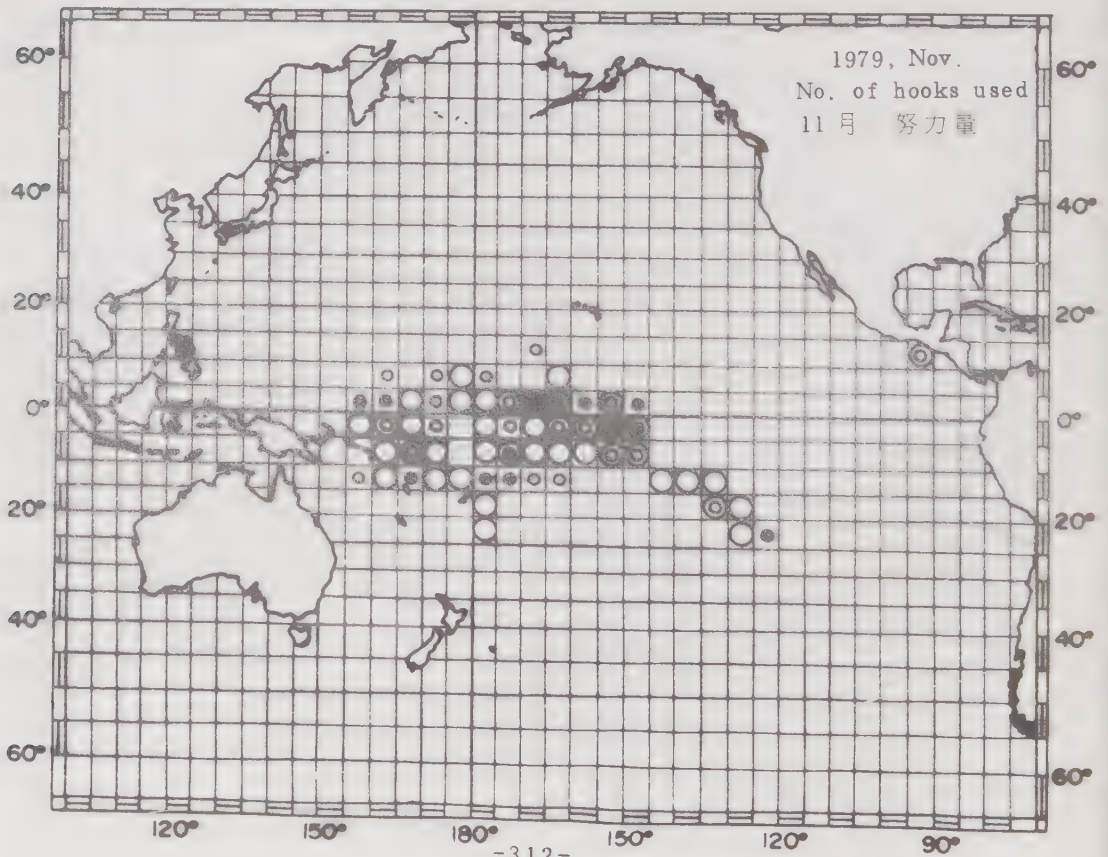
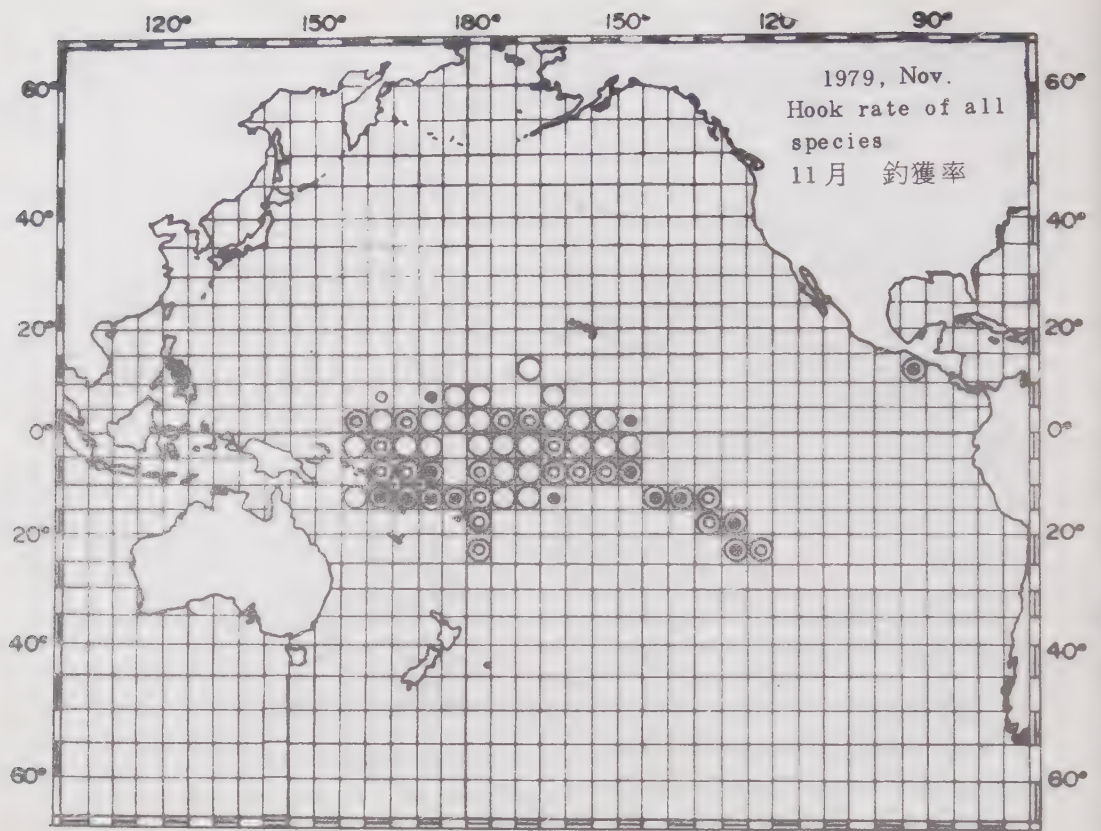




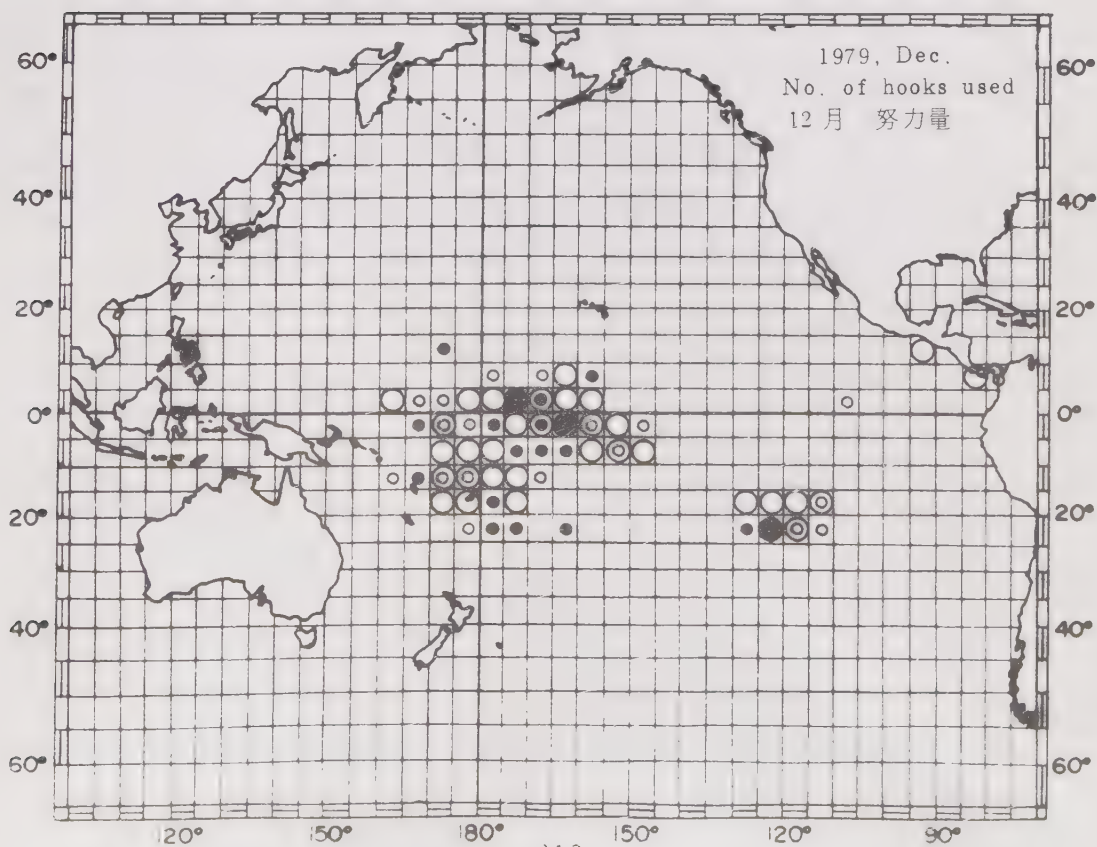
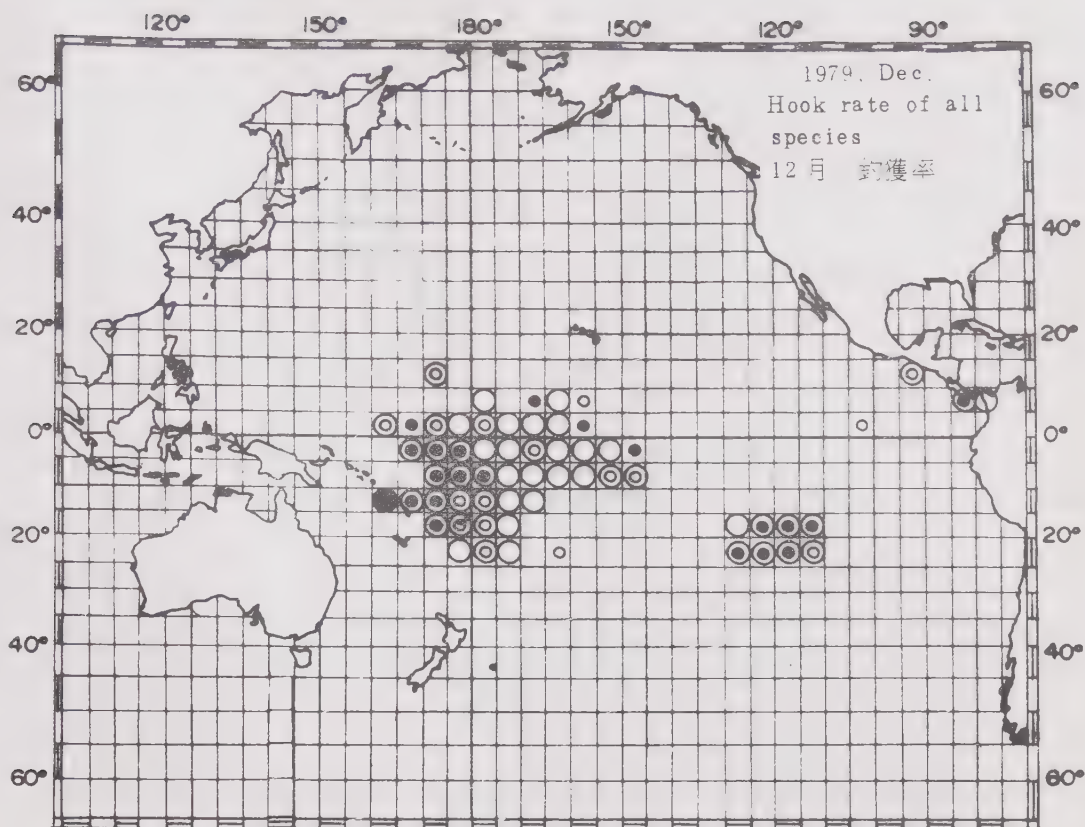














날개다랭이, 황다랭이, 눈다랭이  
釣獲率 및 漁獲努力 分布圖

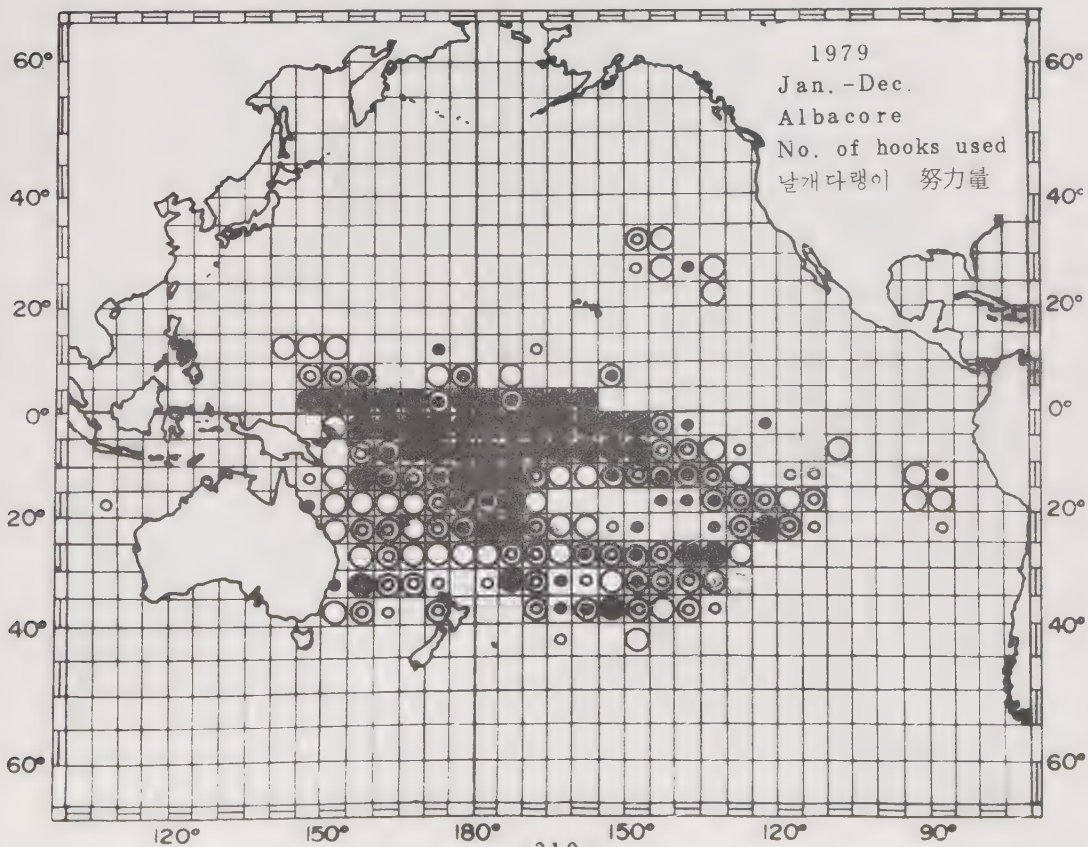
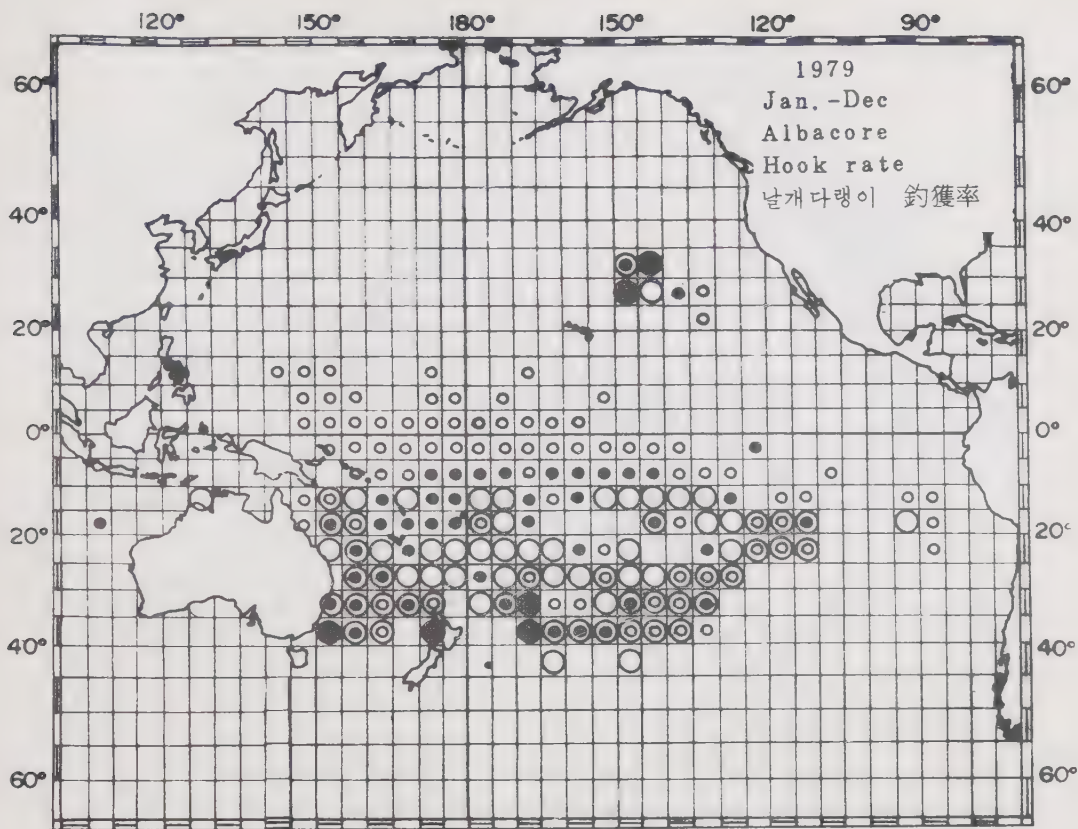
Albacore, Yellowfin, Bigeye  
Hook rate and fishing effort

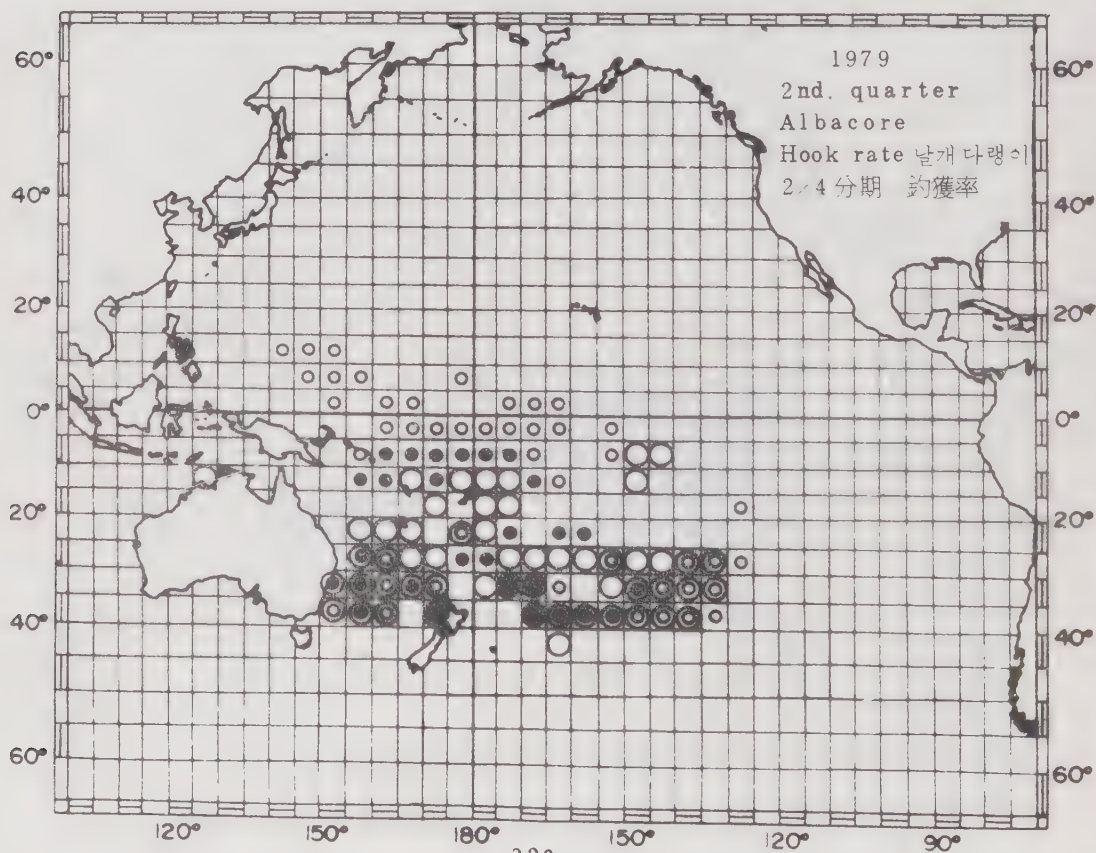
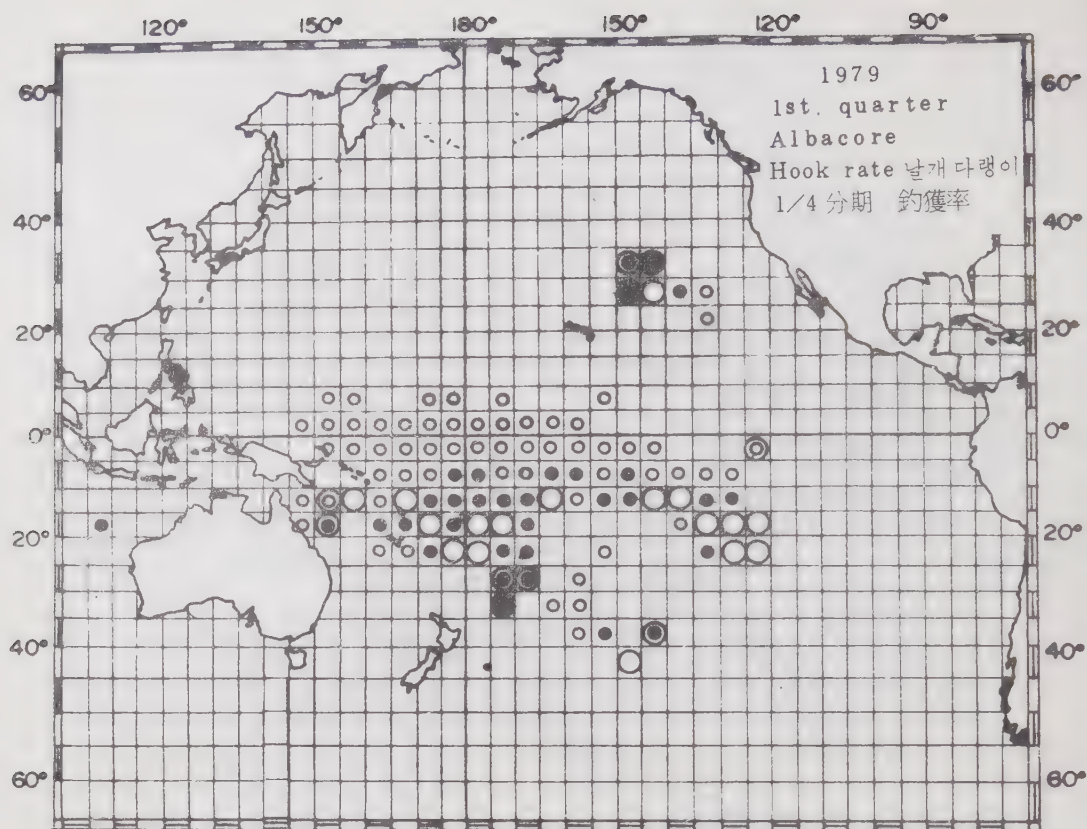




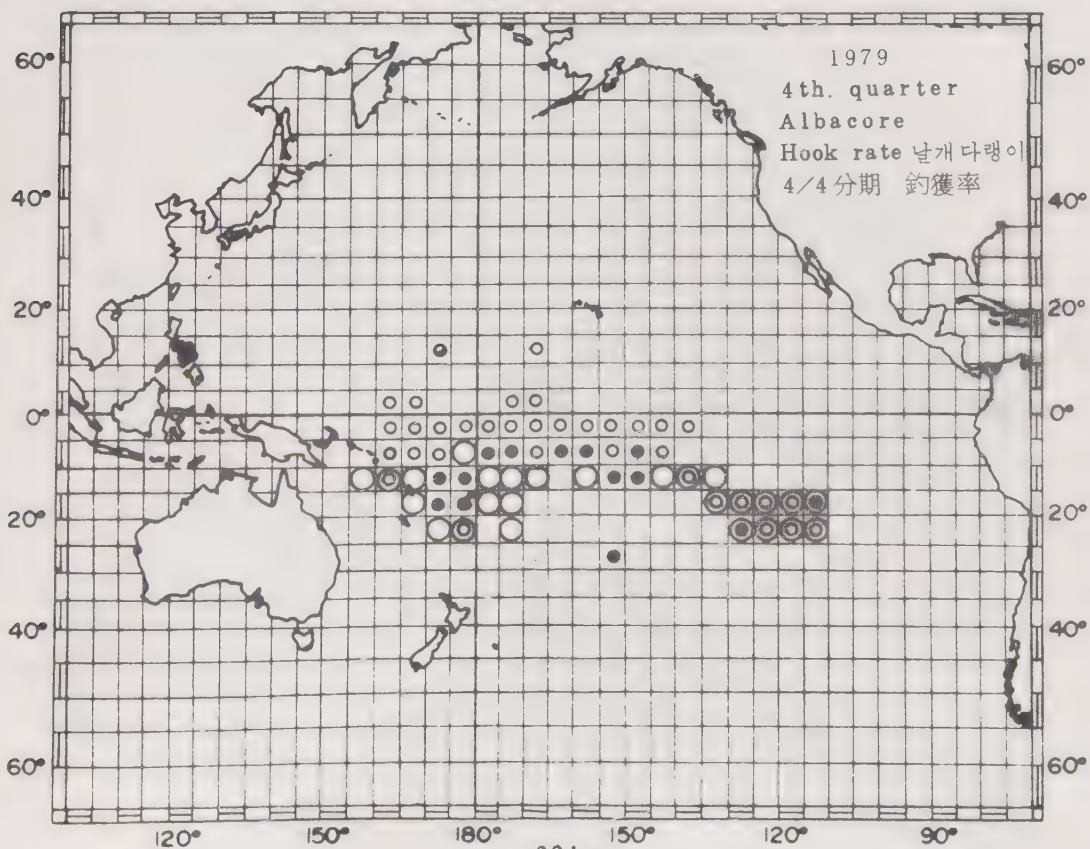
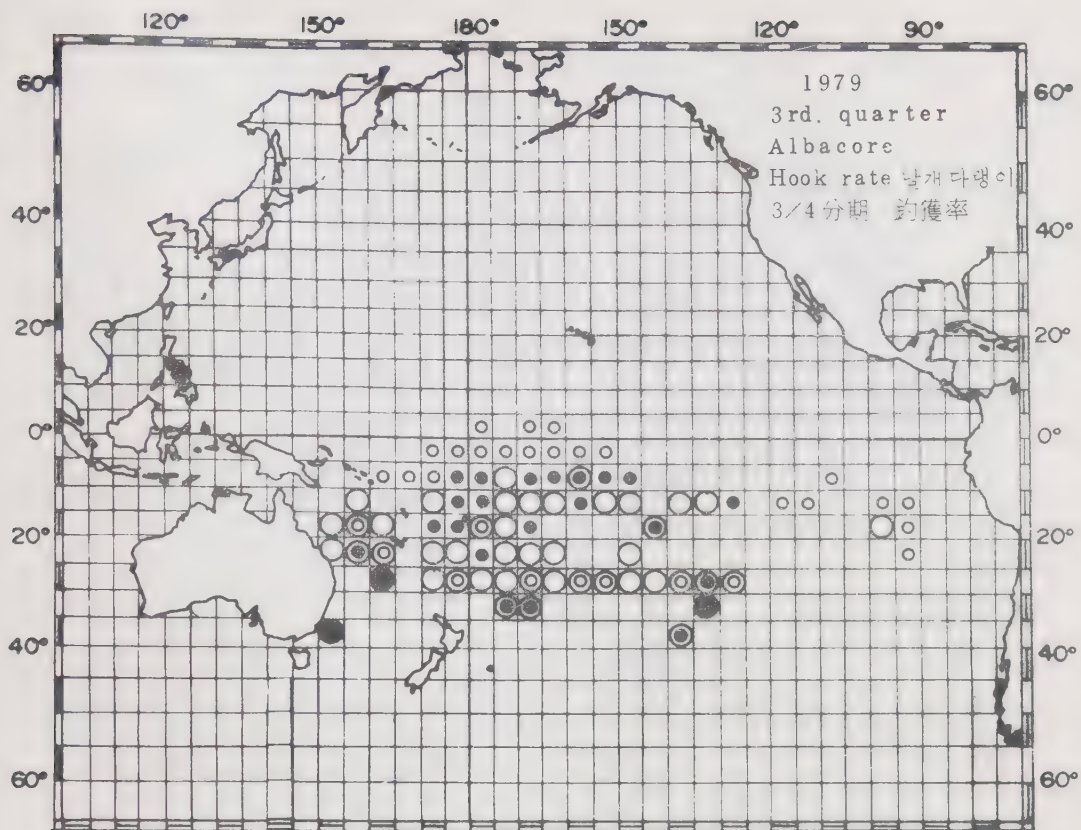
날 개 다 랭 이  
Albacore

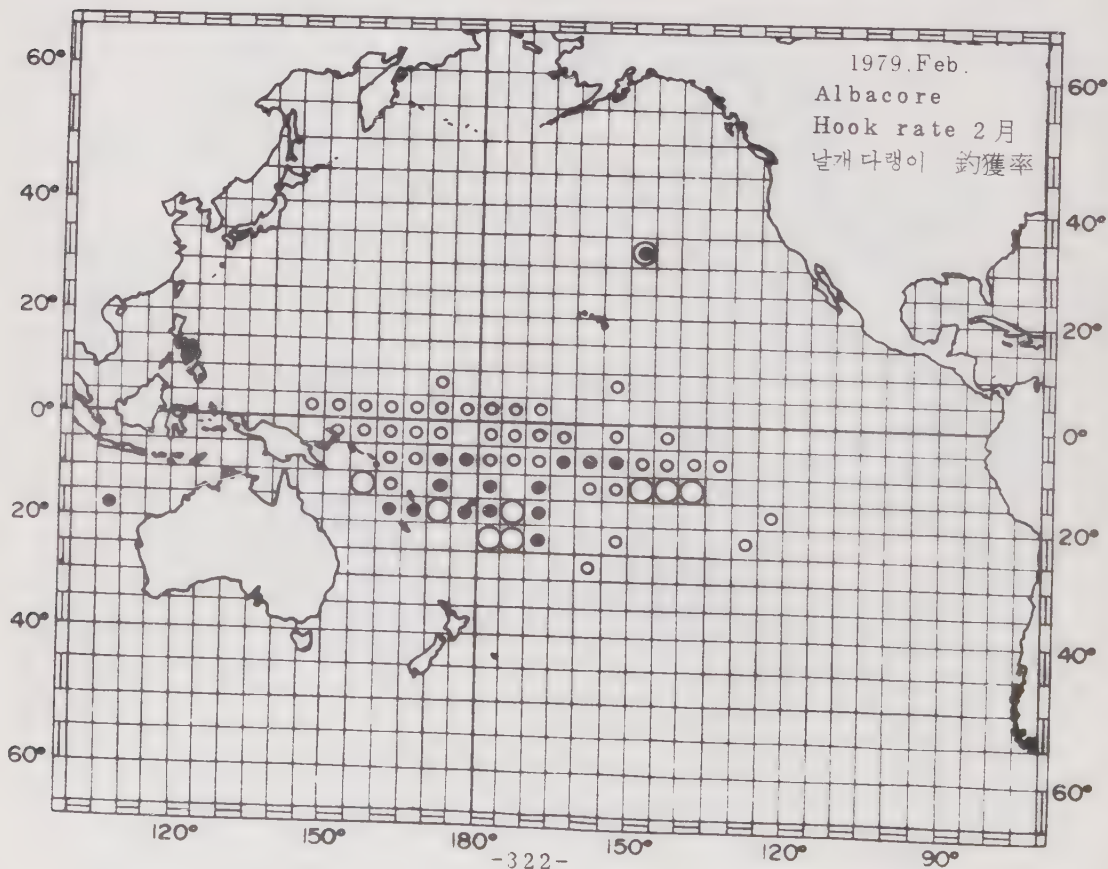
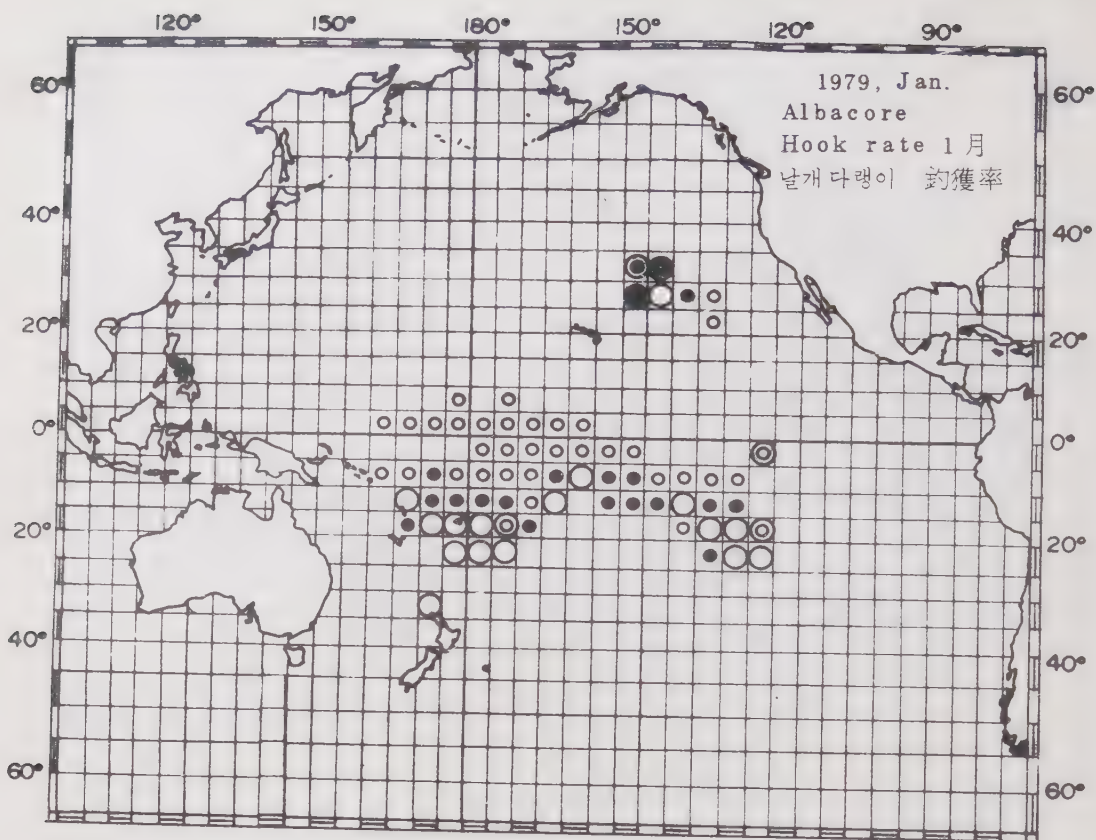






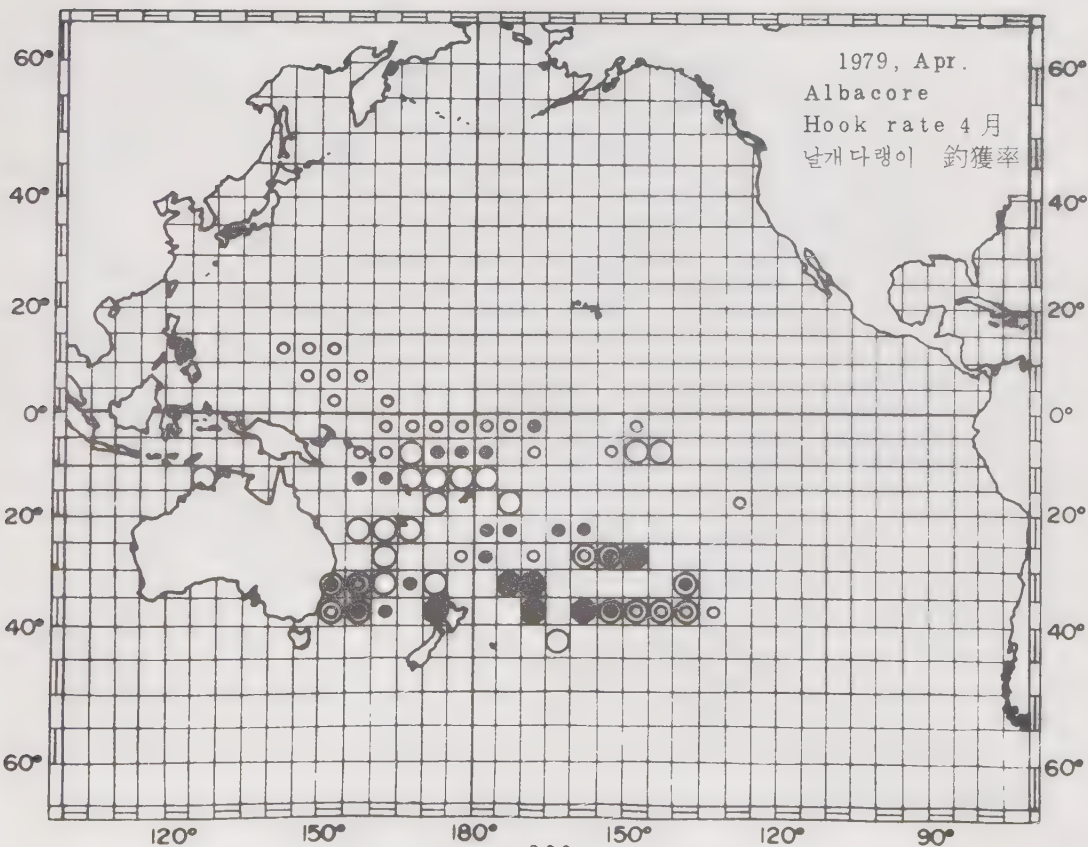
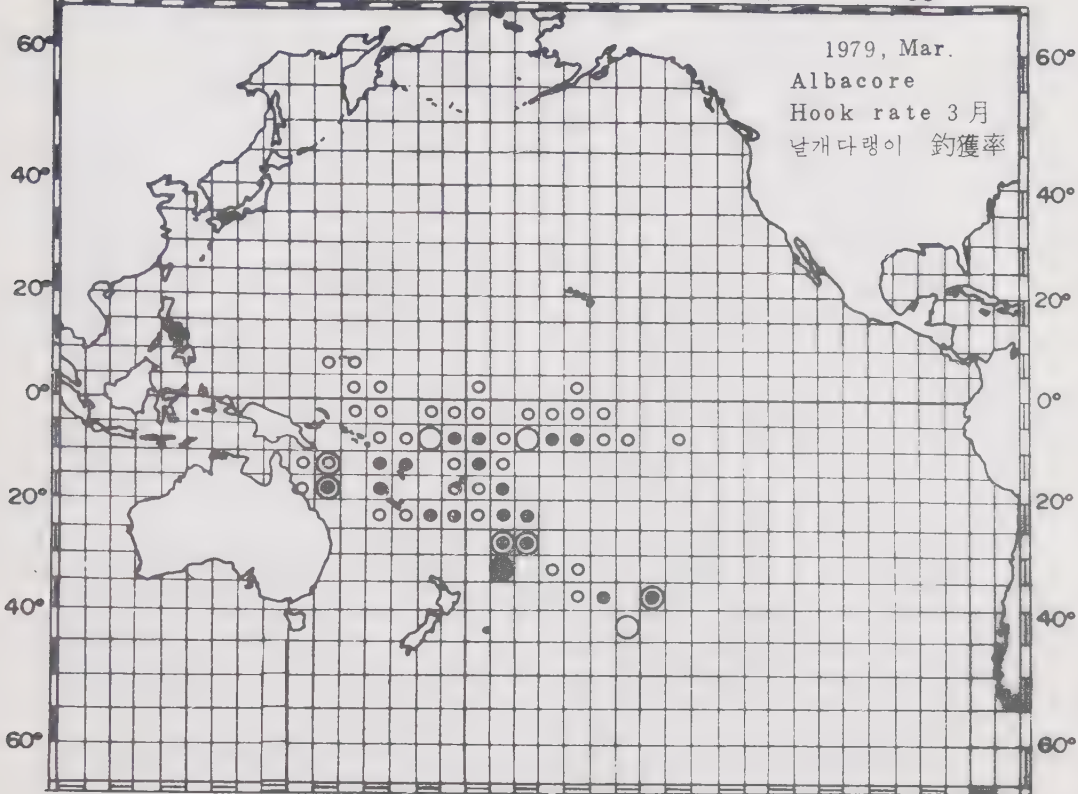


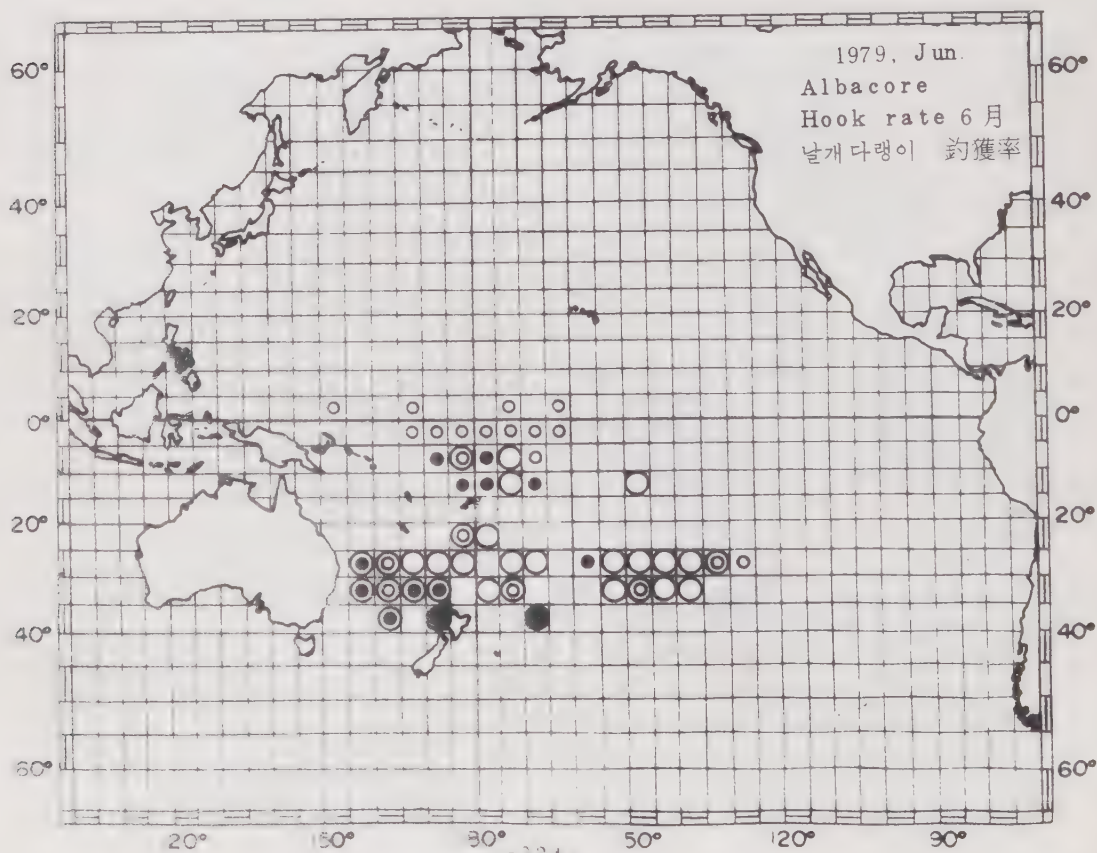
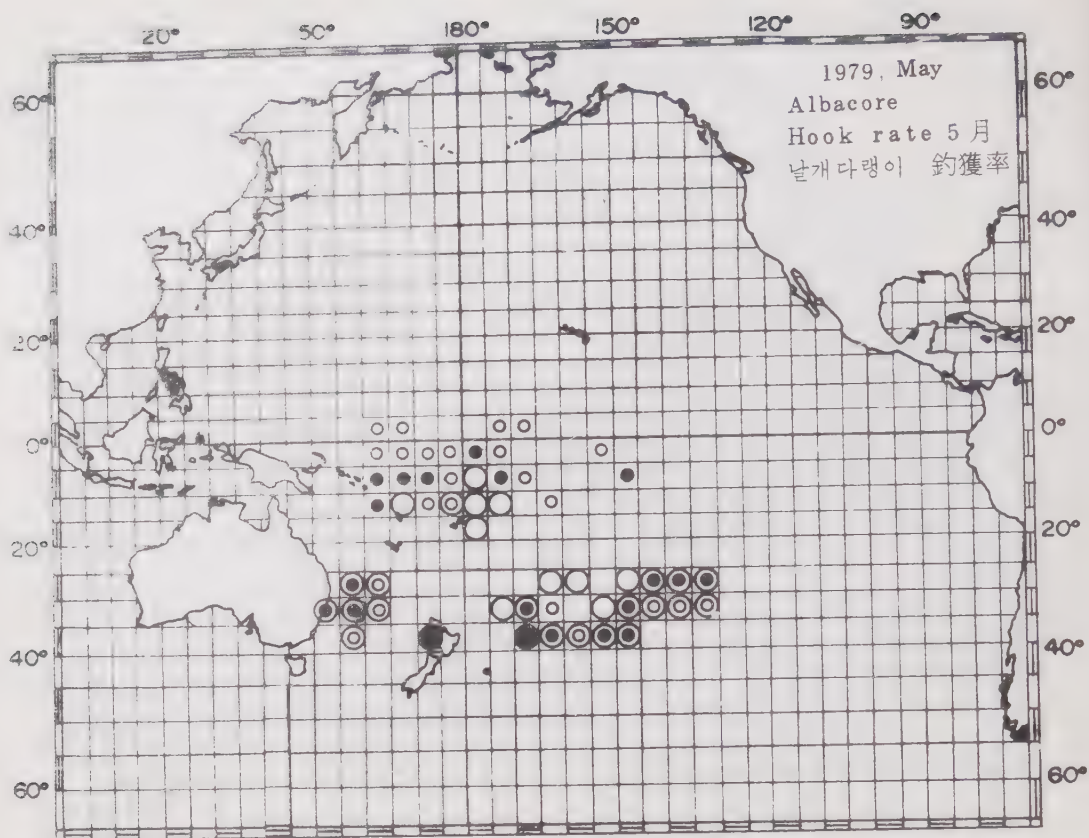


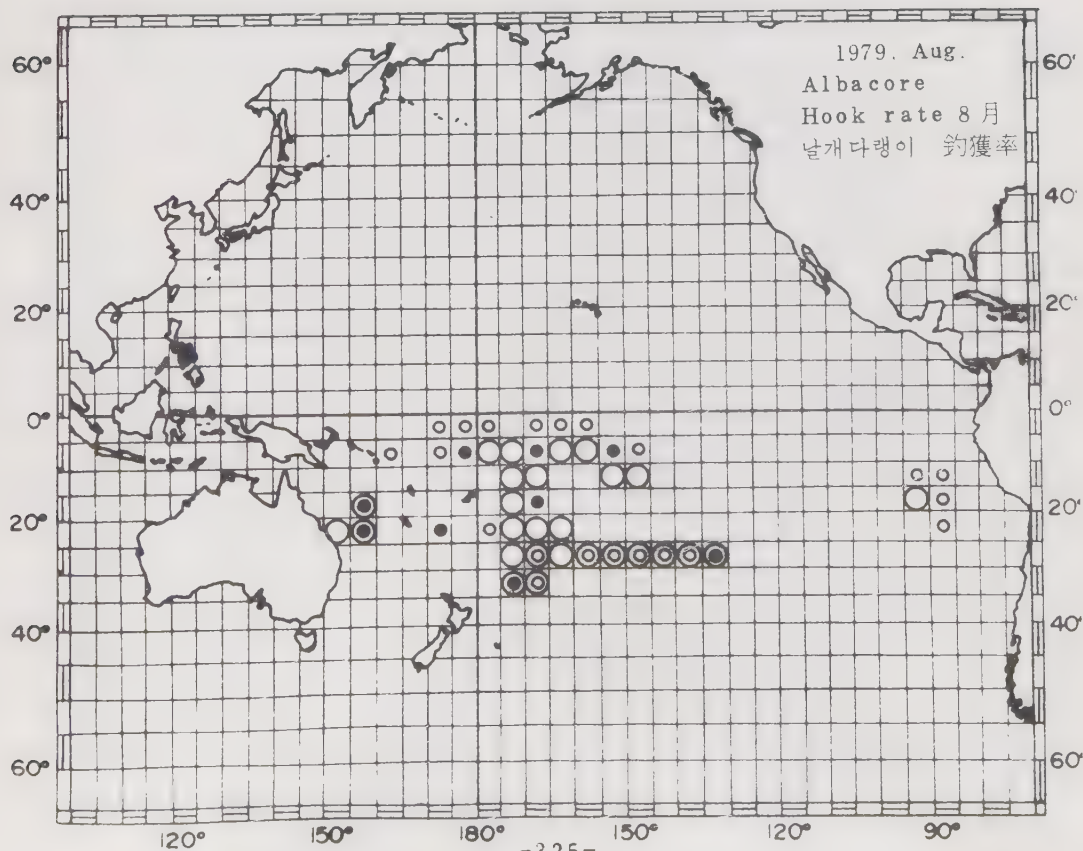
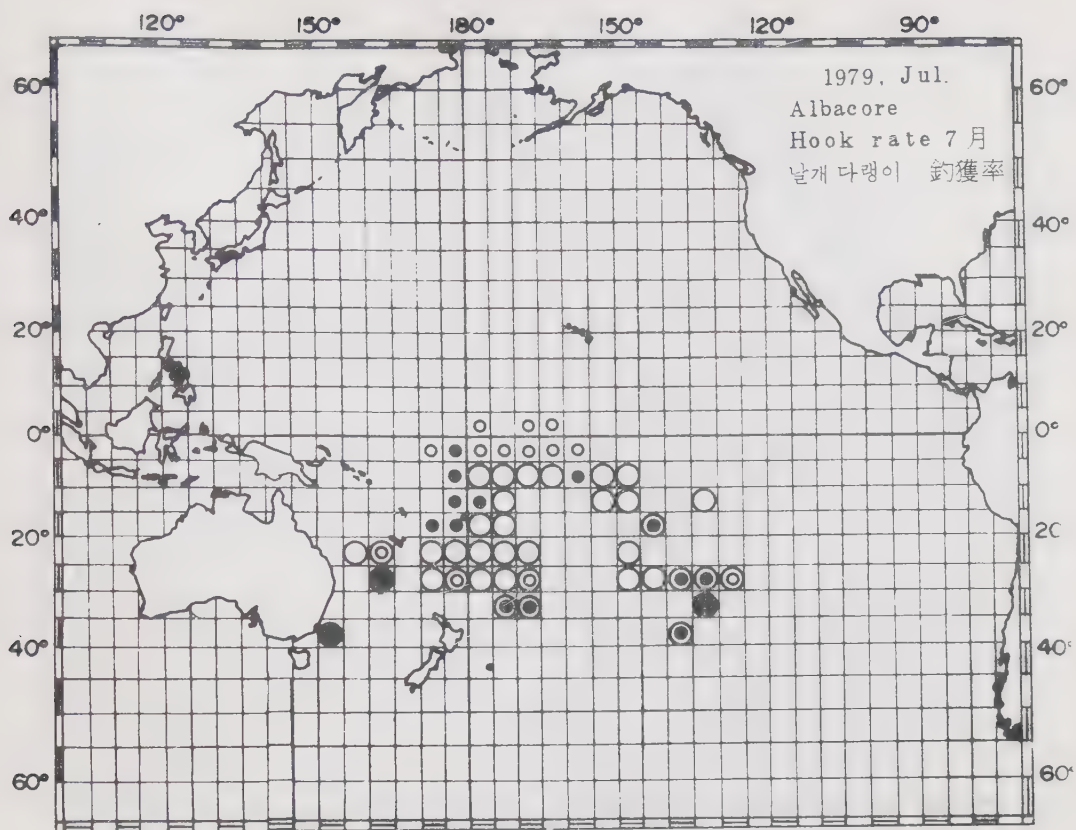




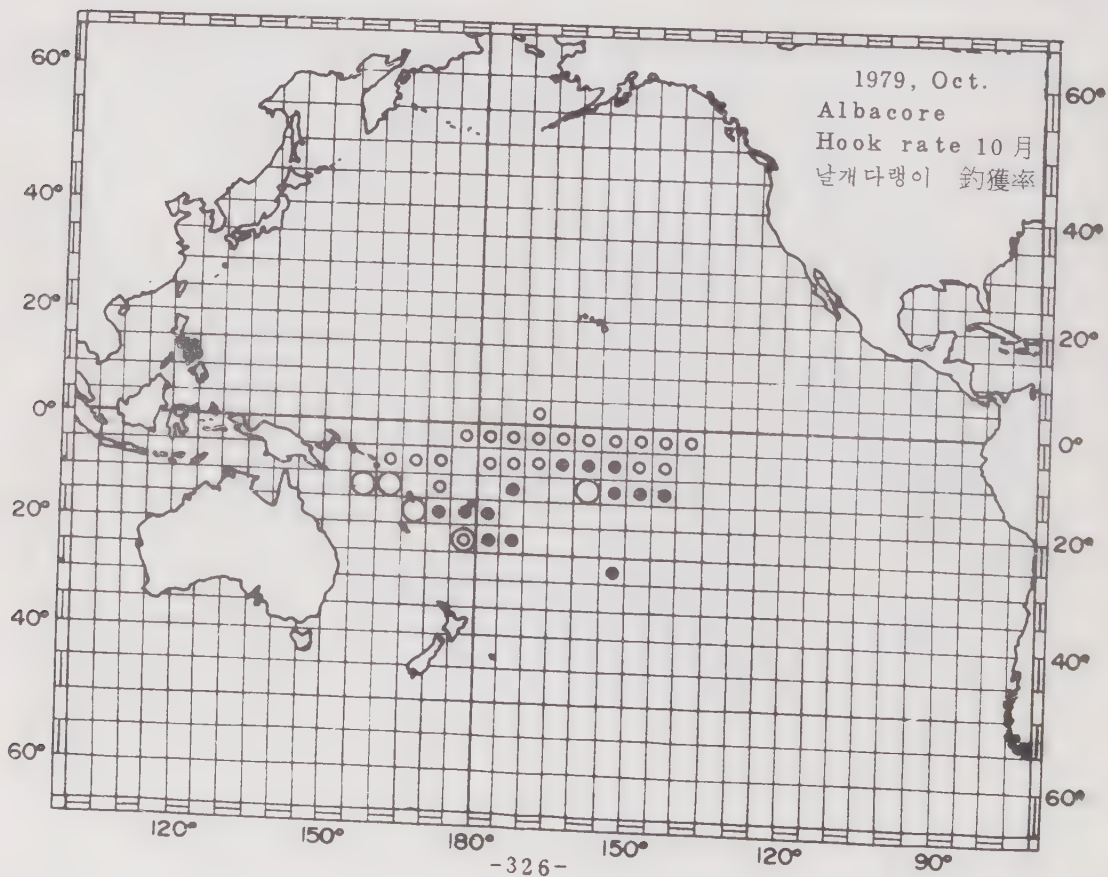
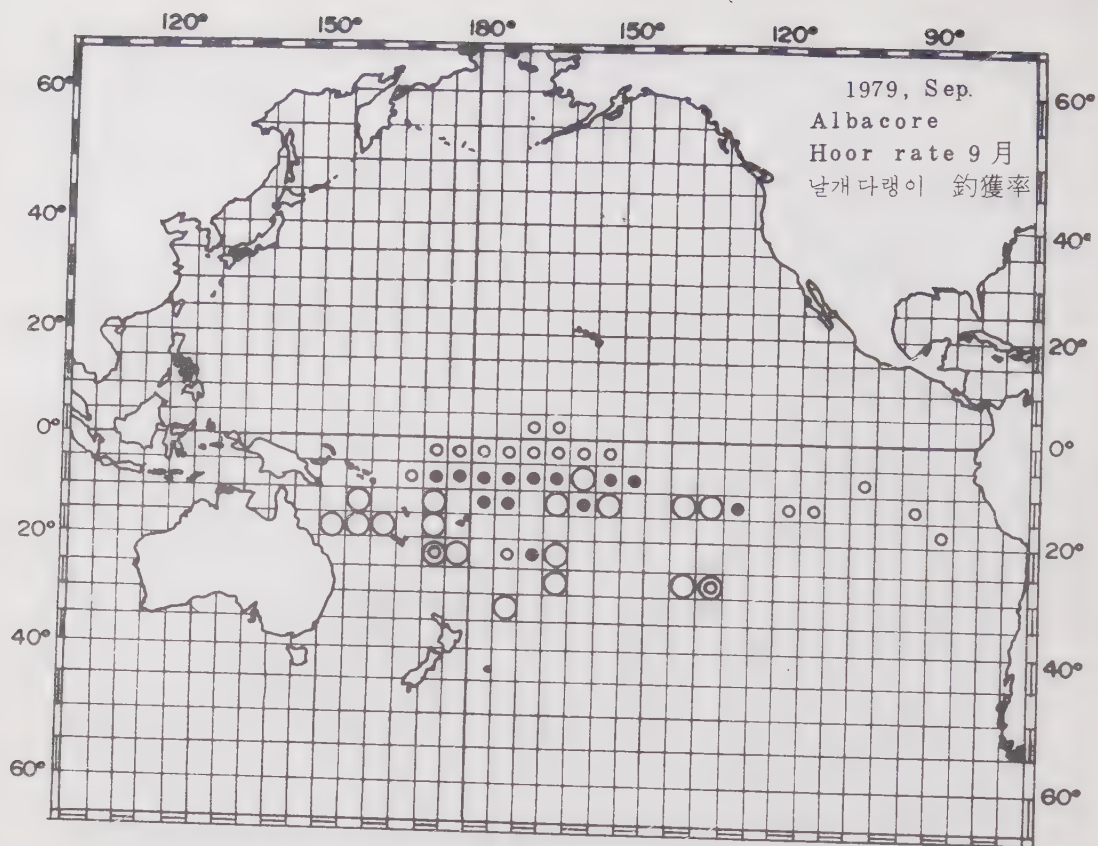
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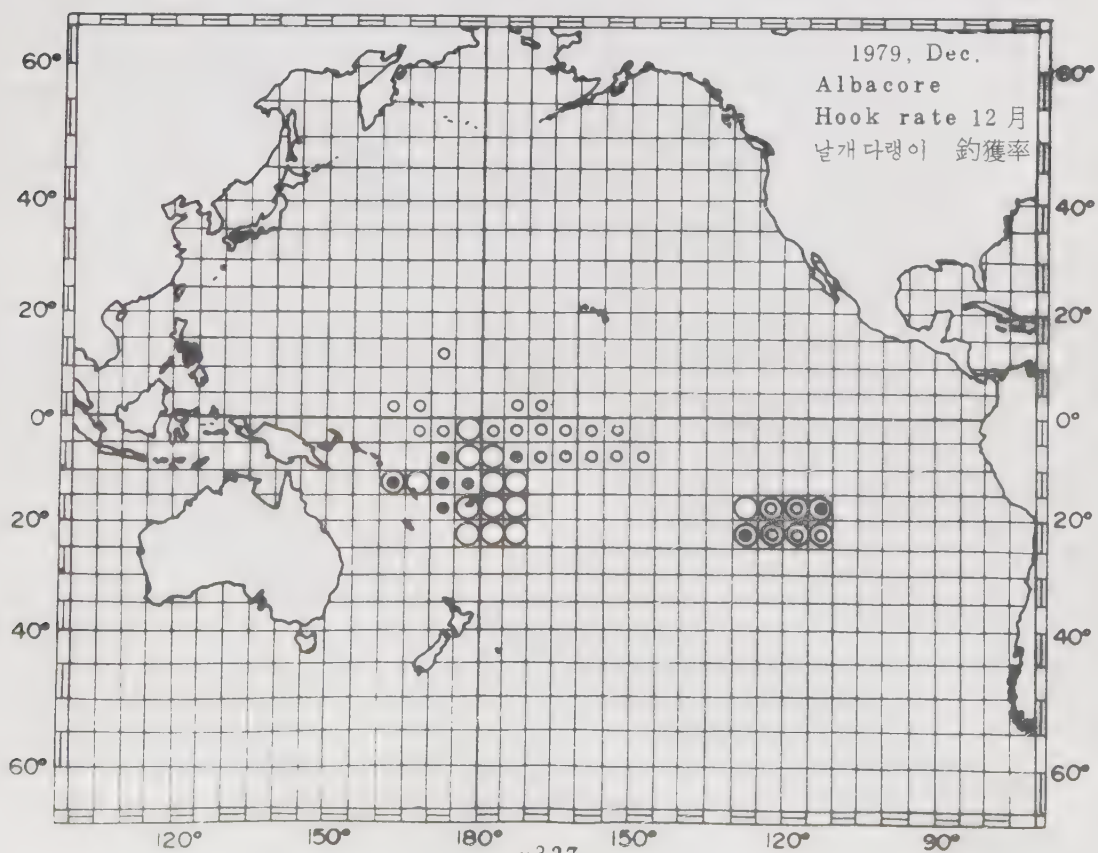
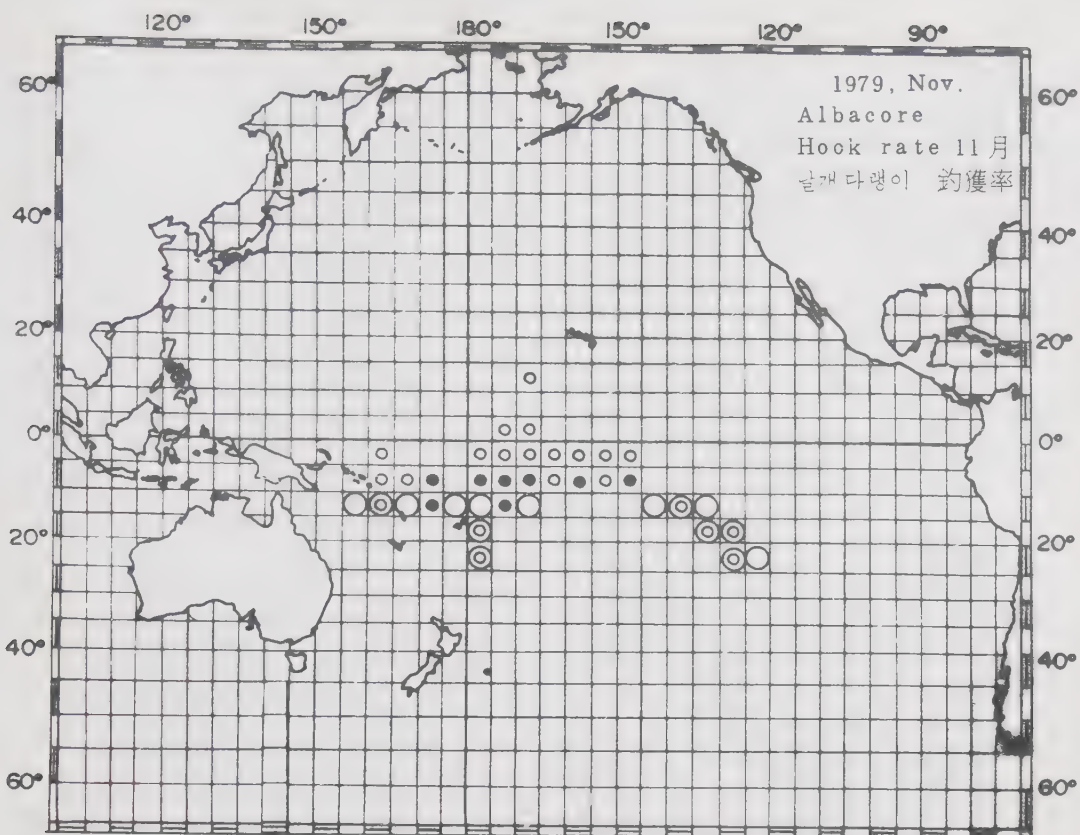










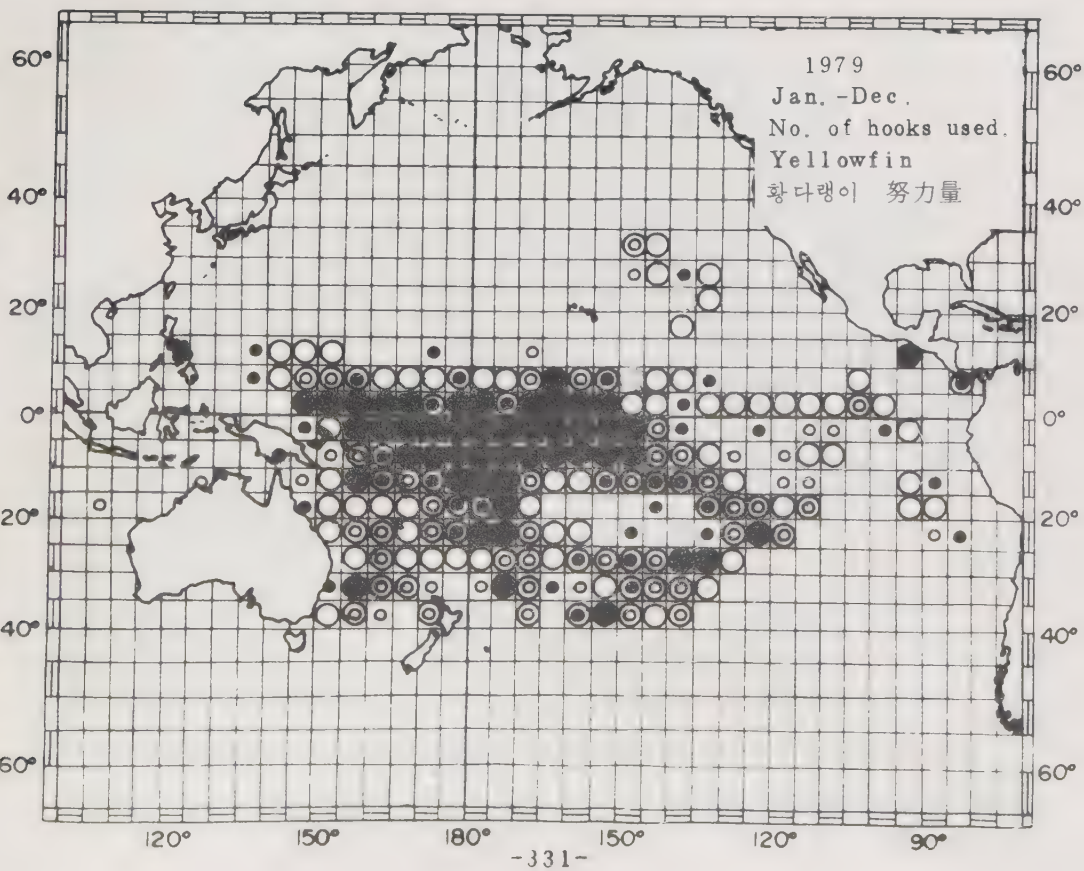
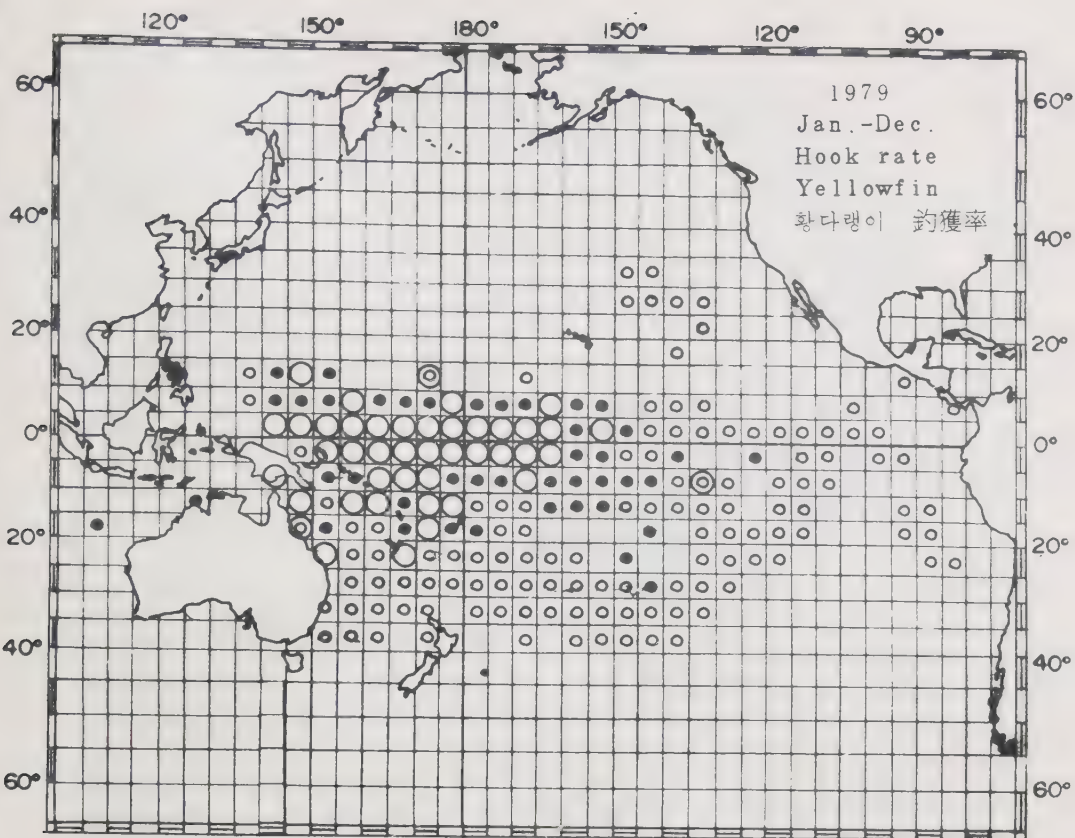


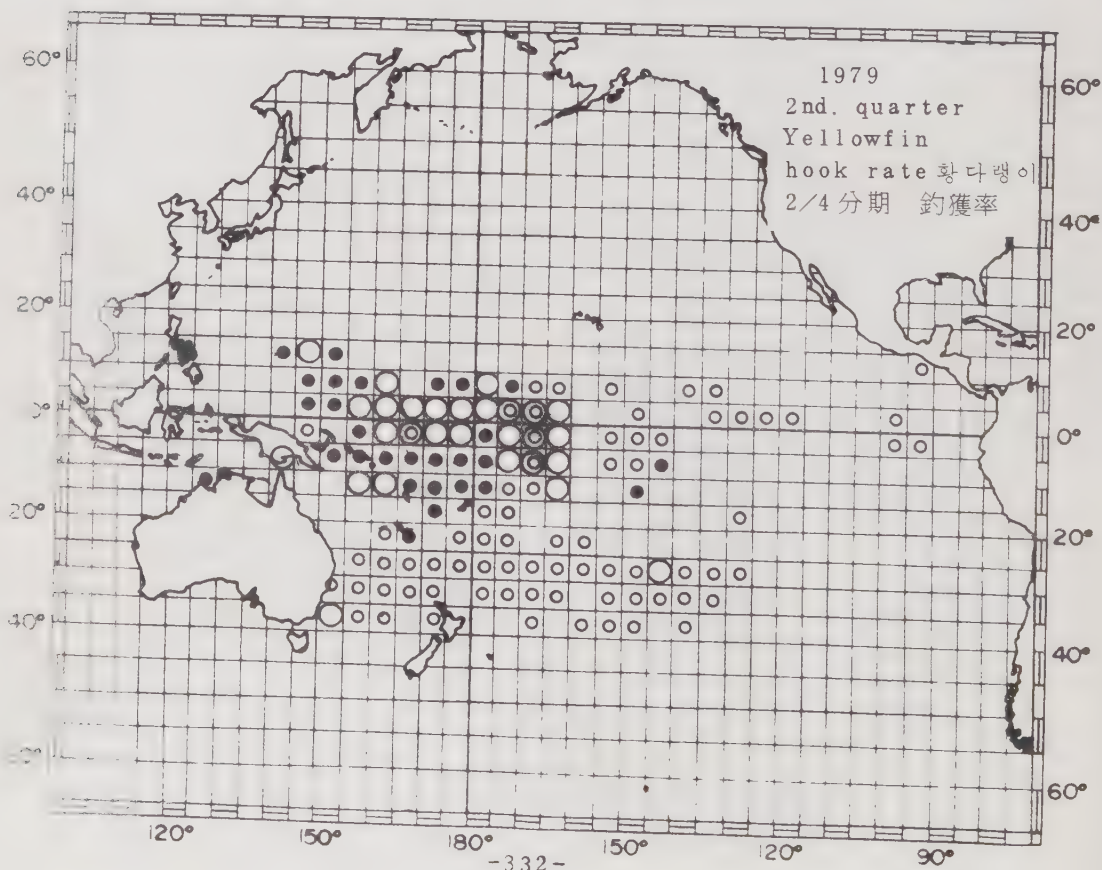
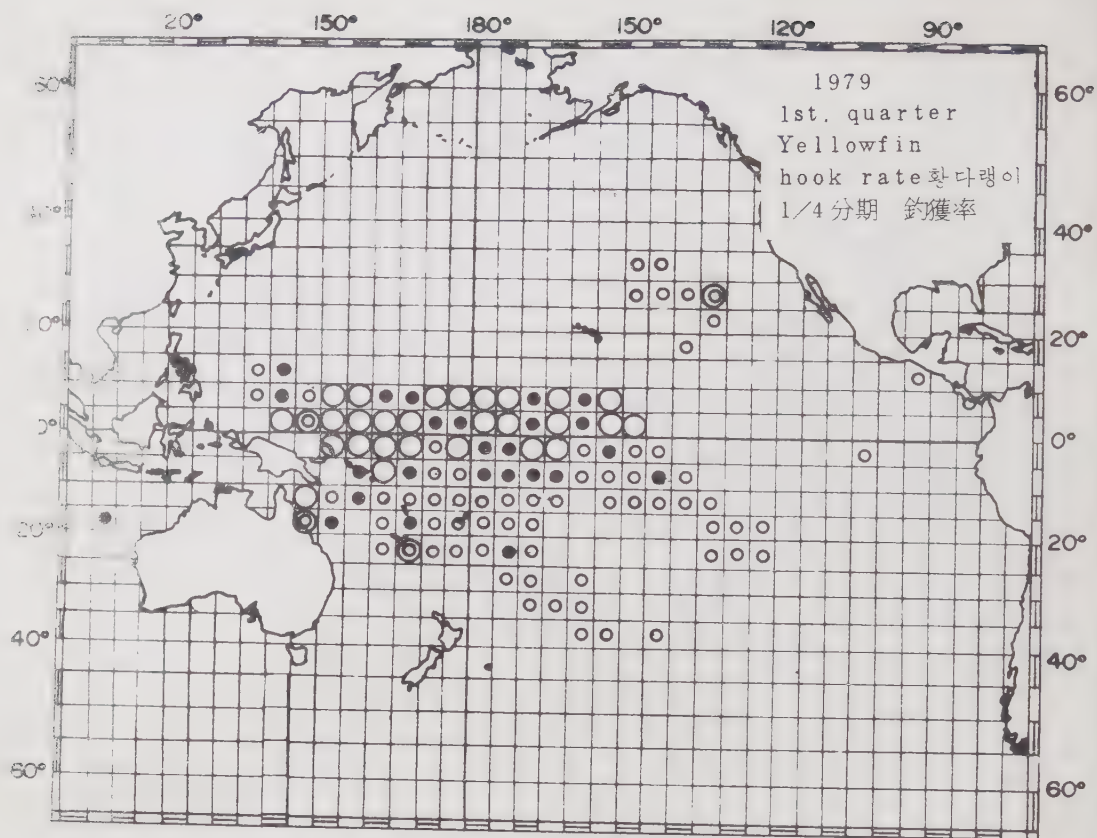




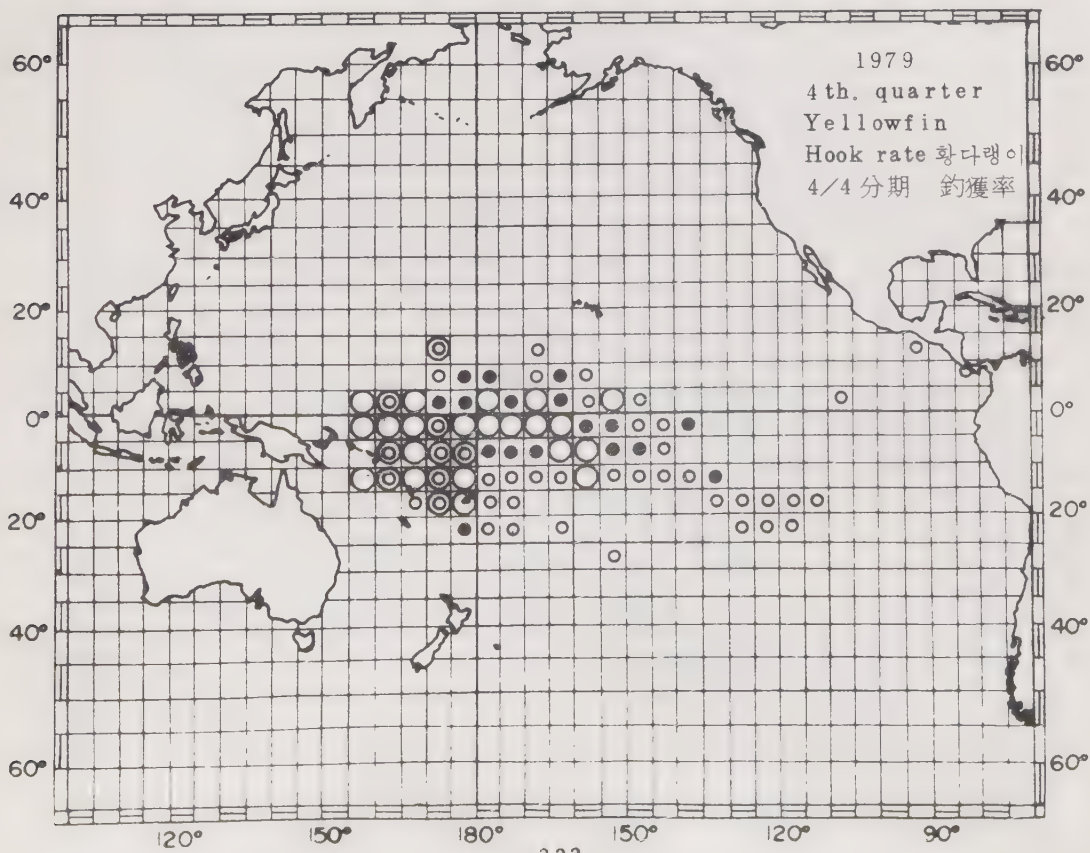
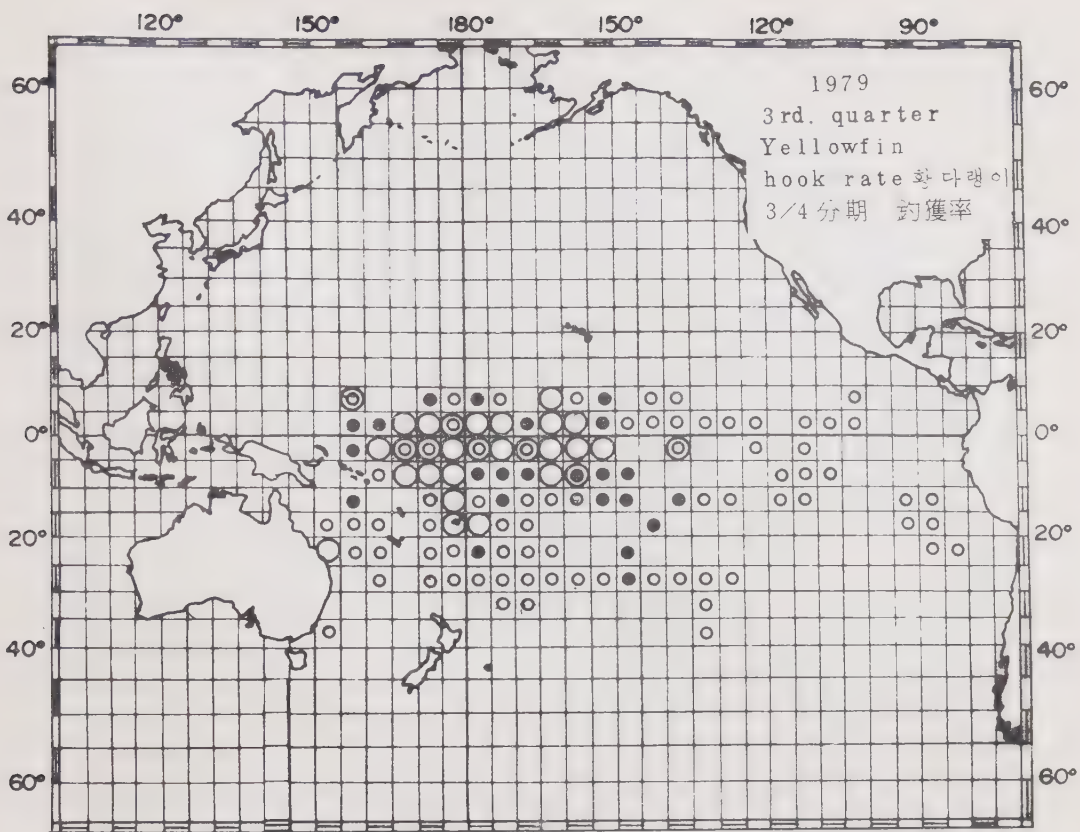
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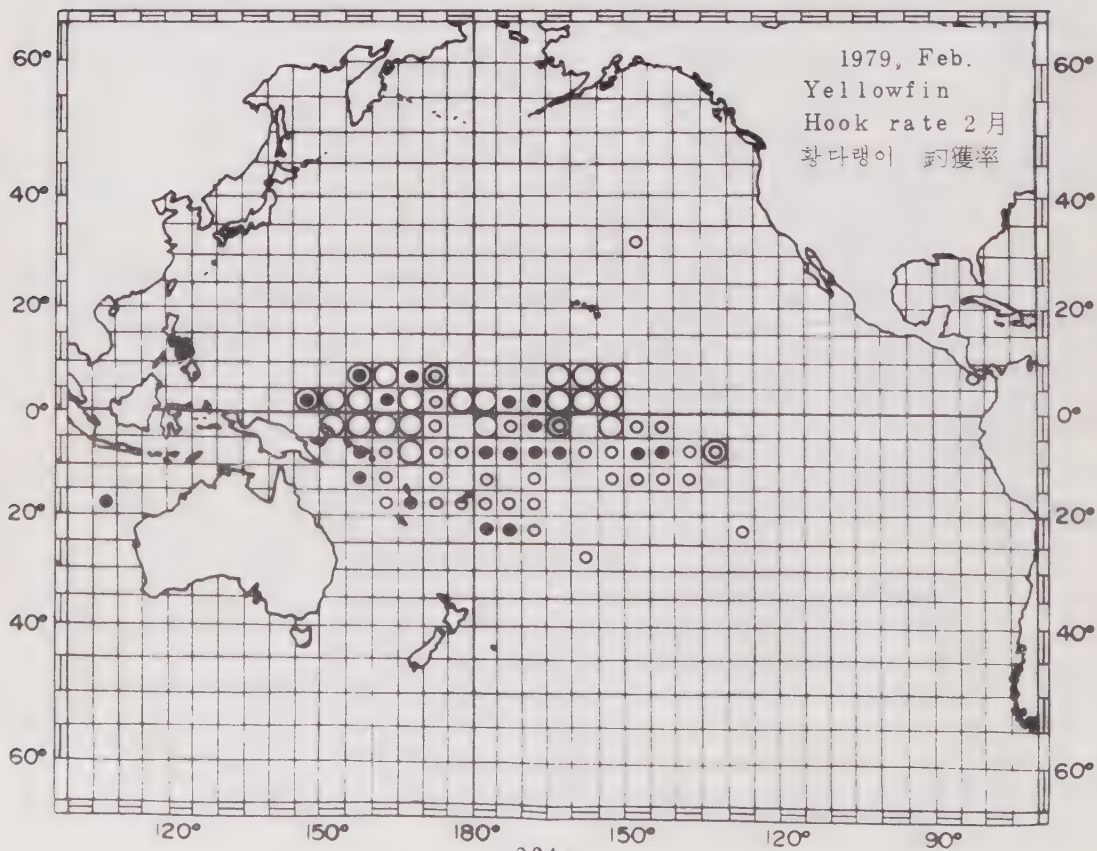
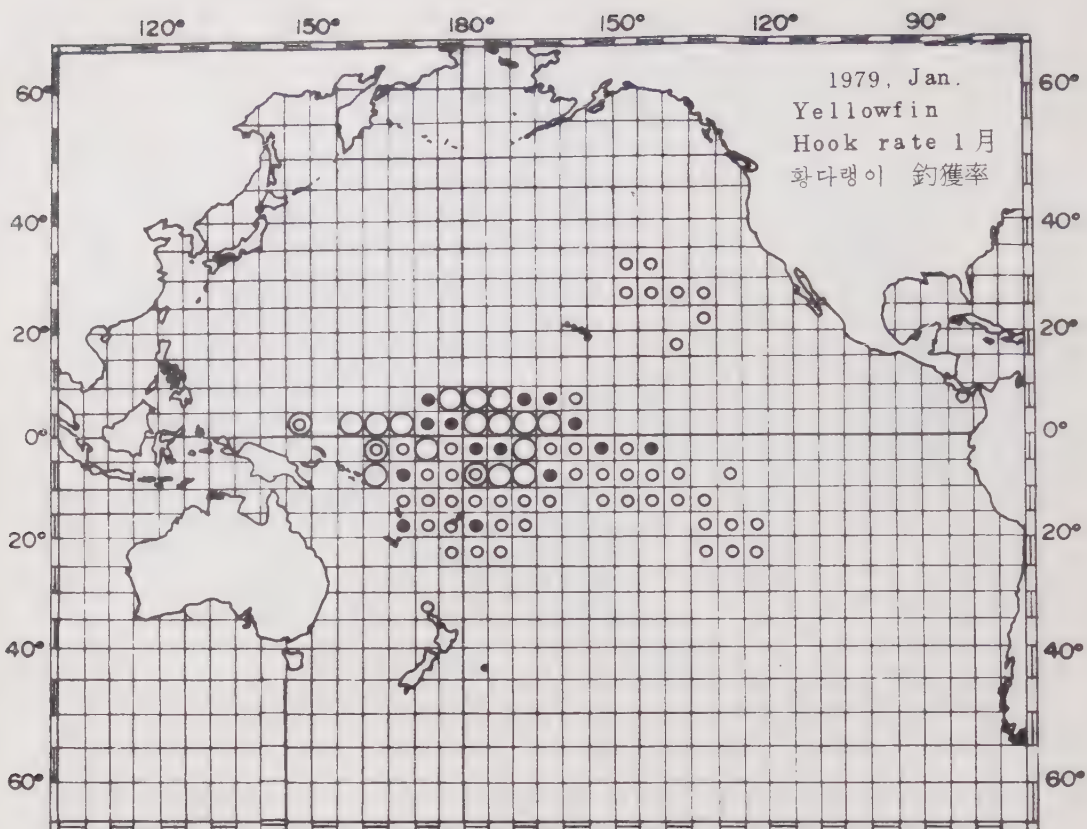




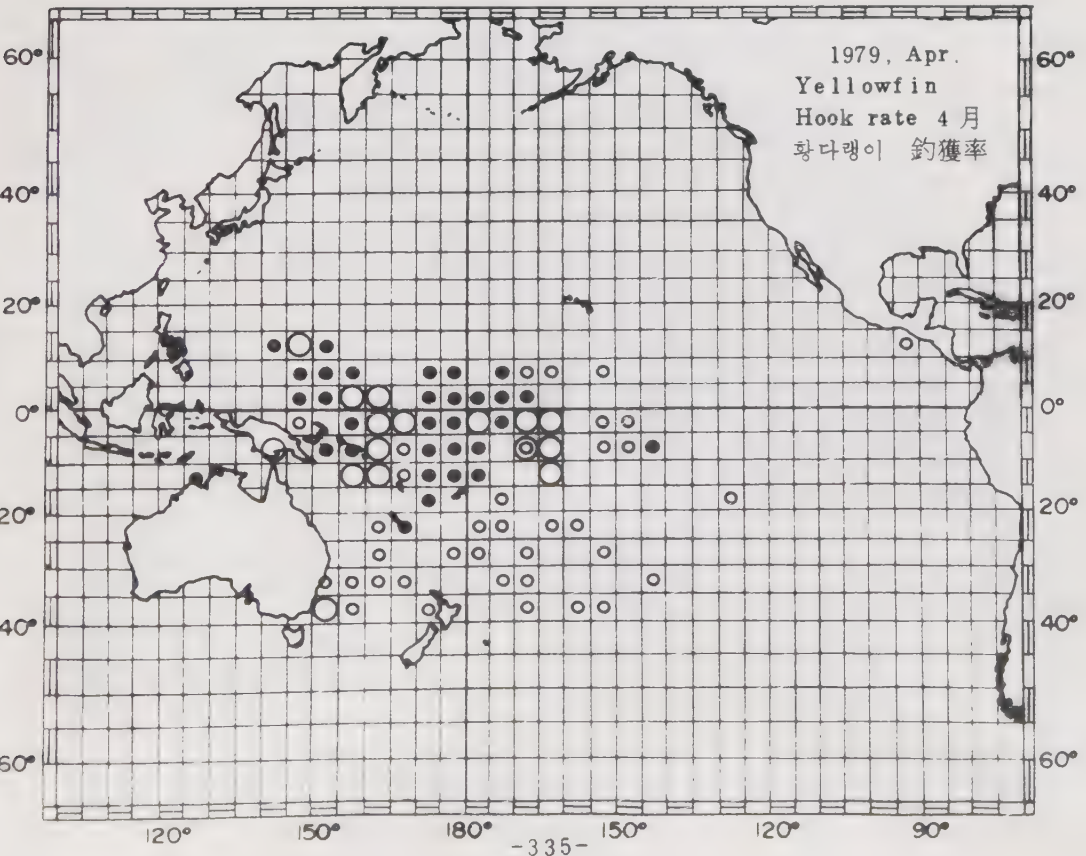
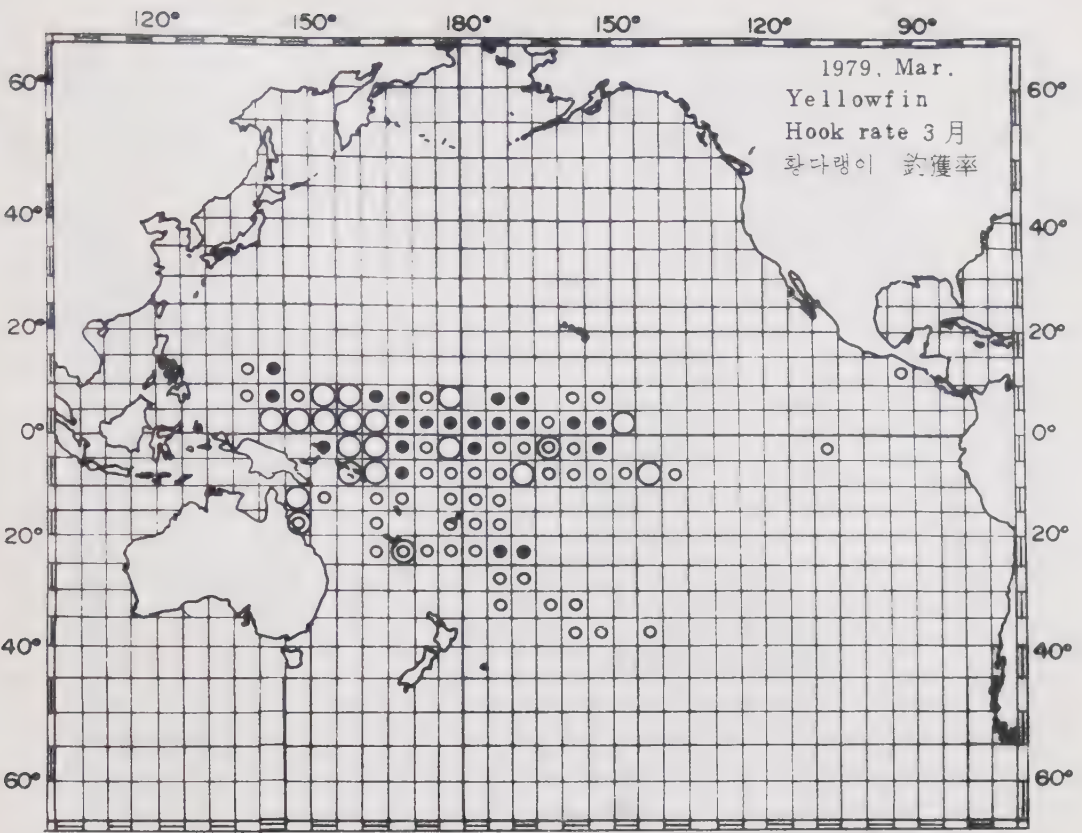


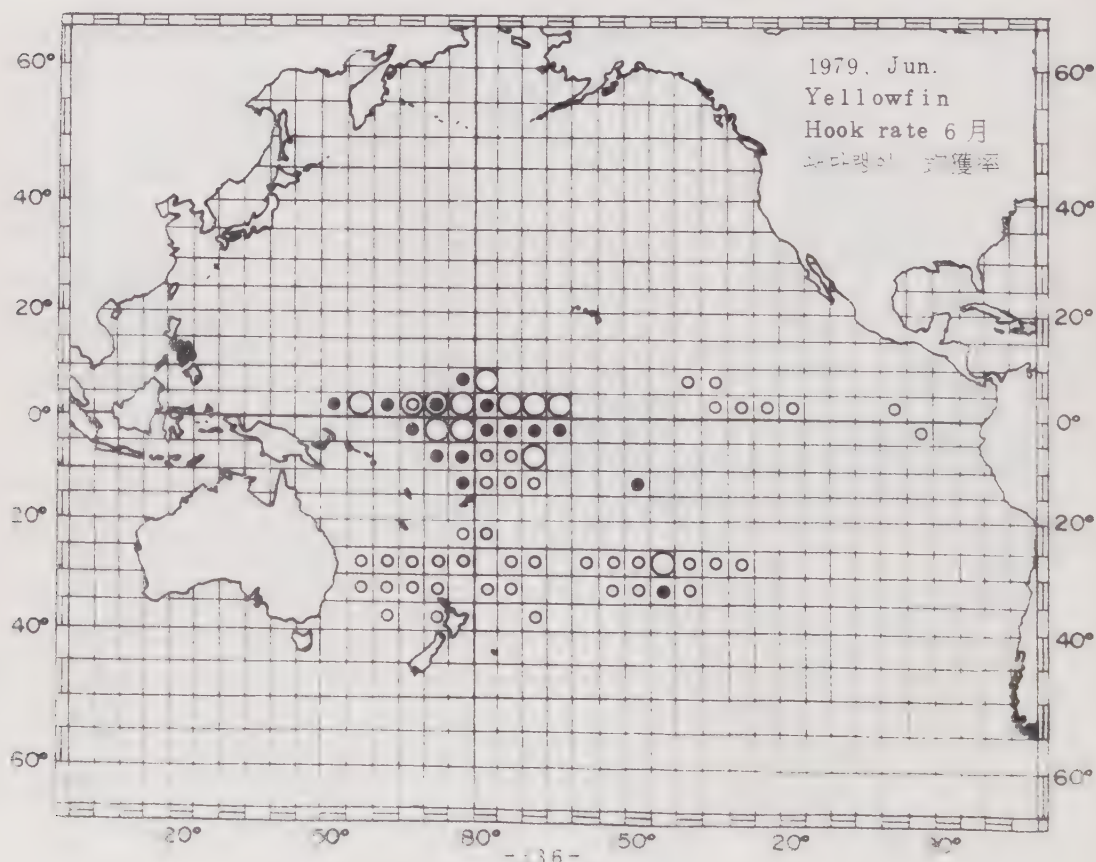
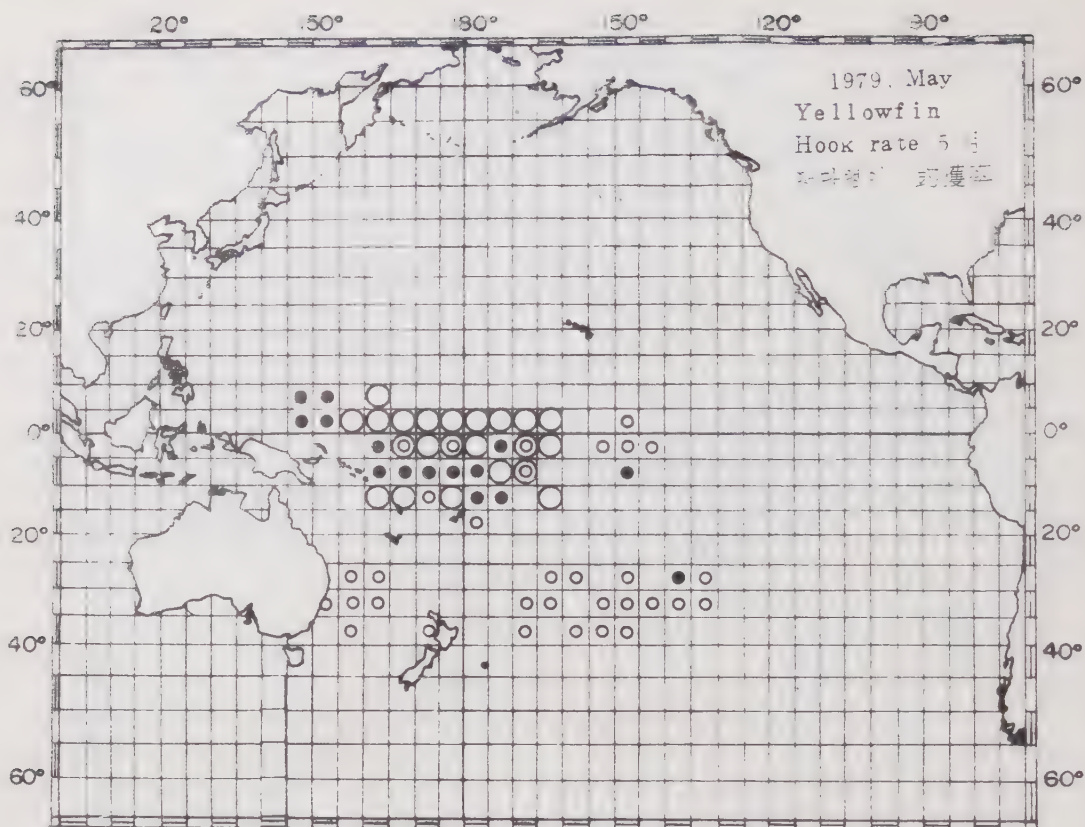


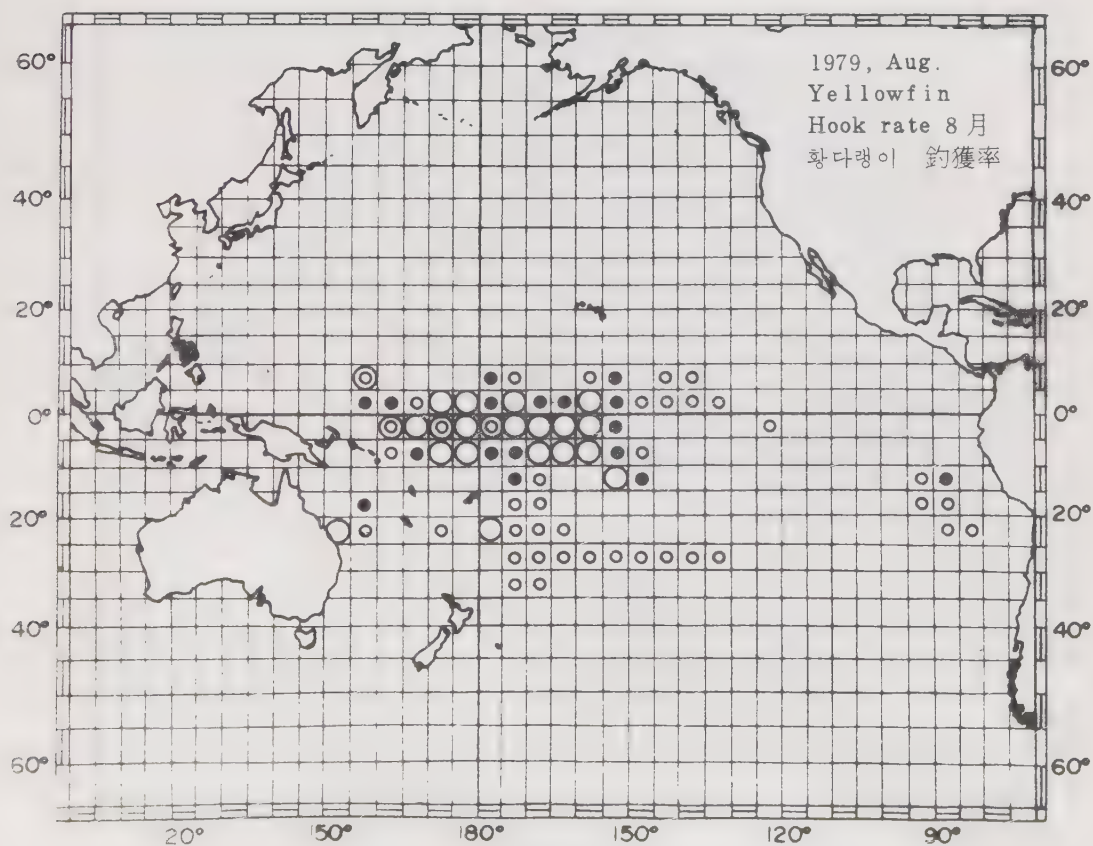
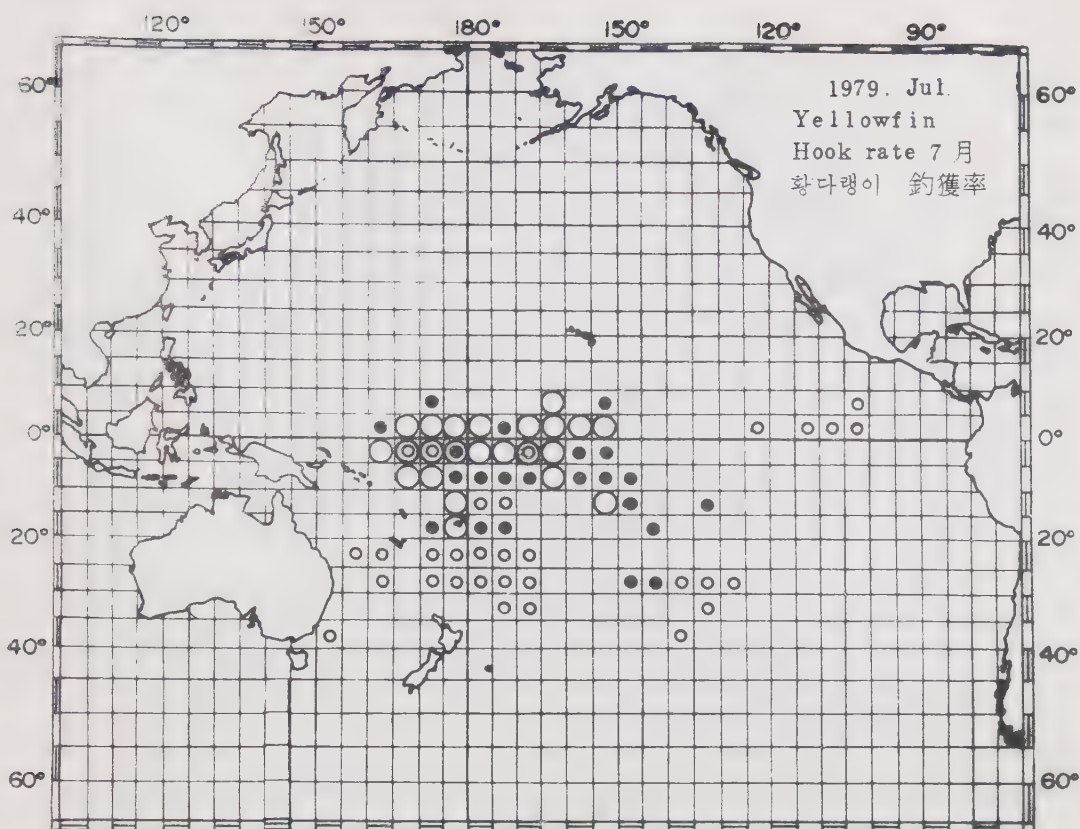




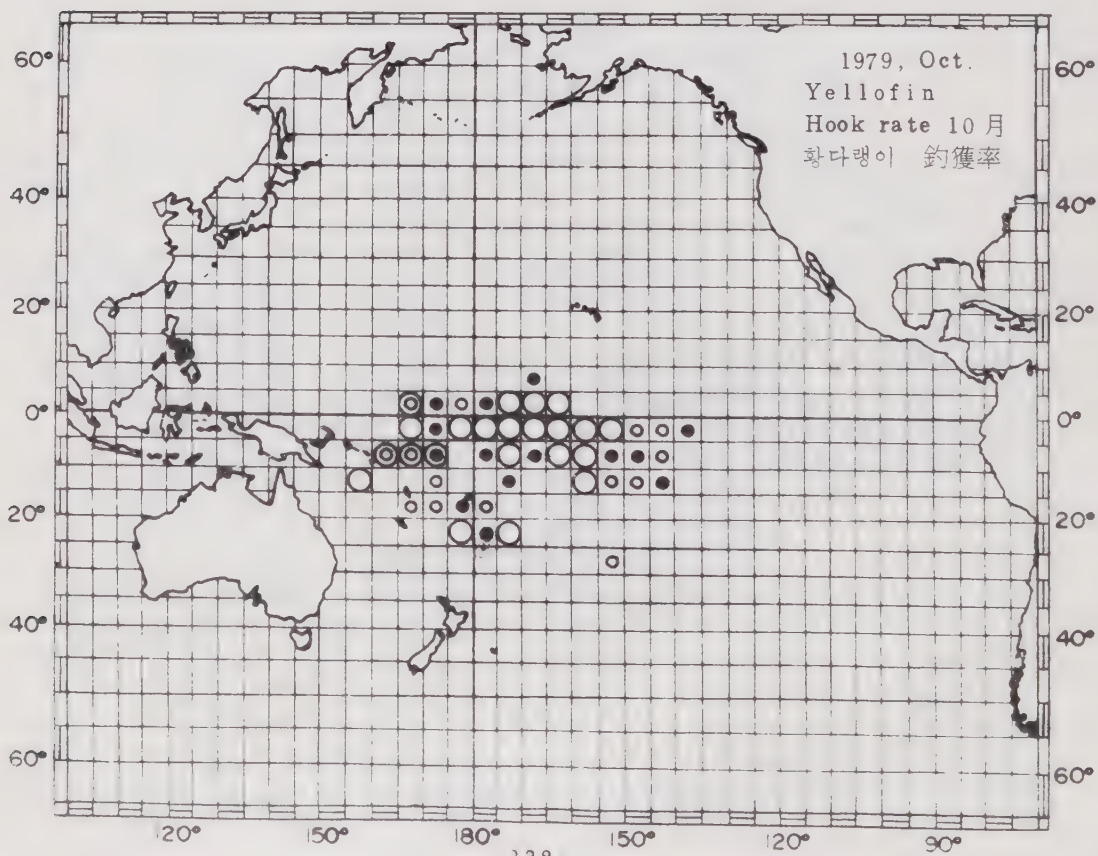
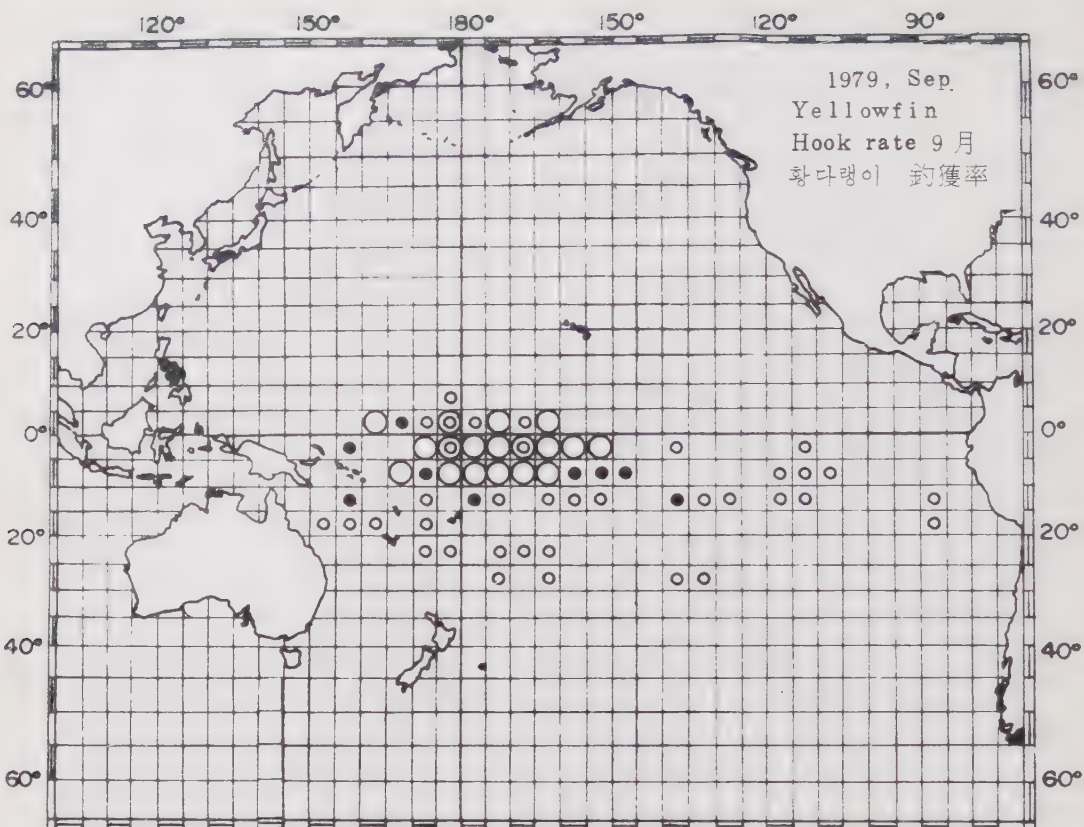


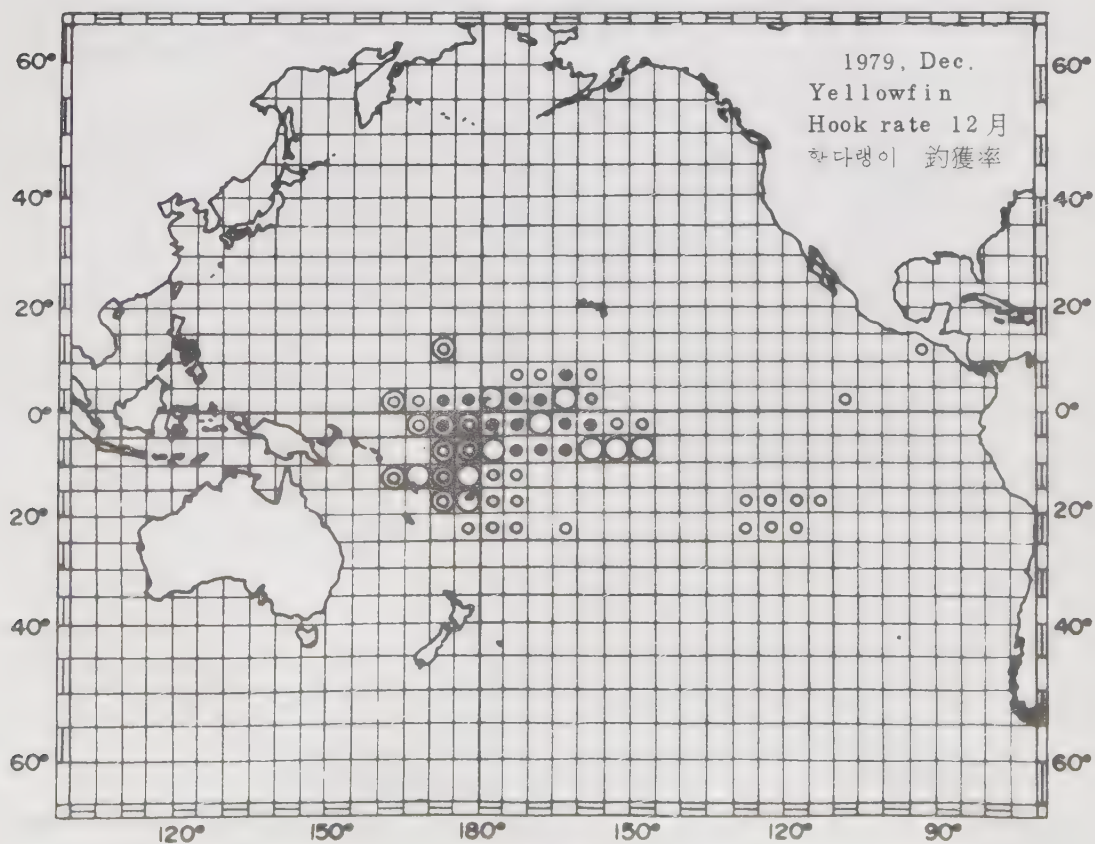
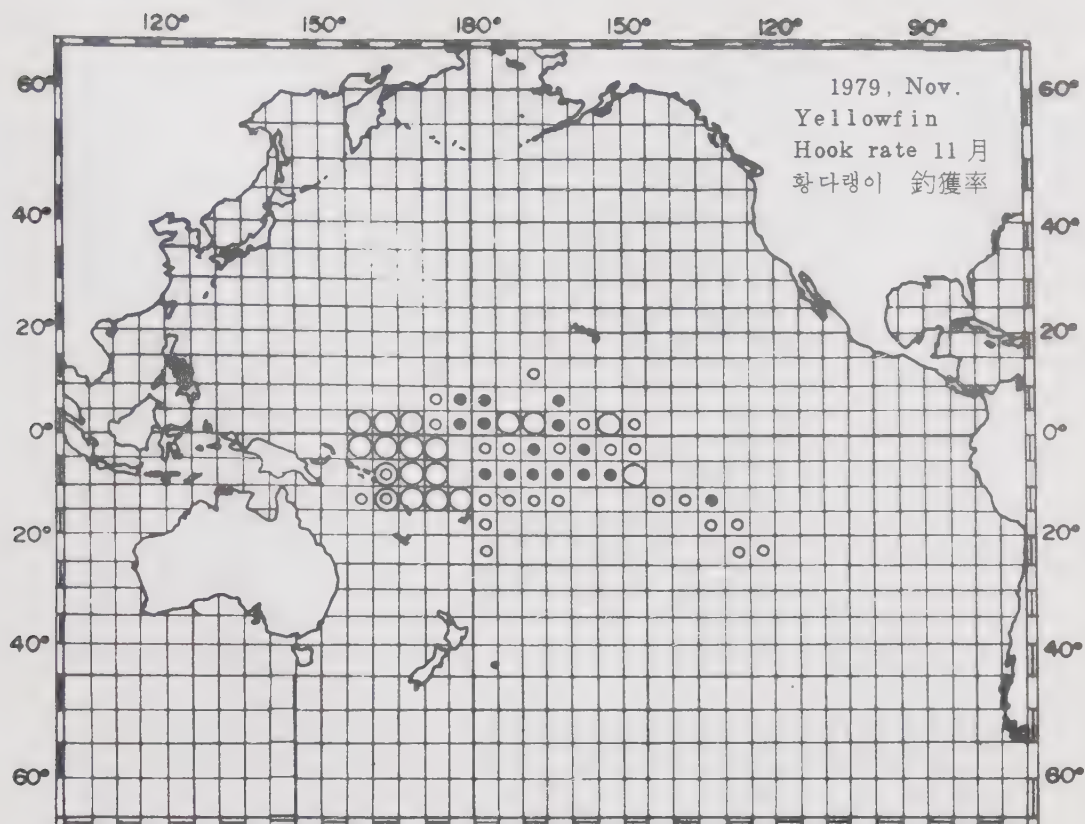










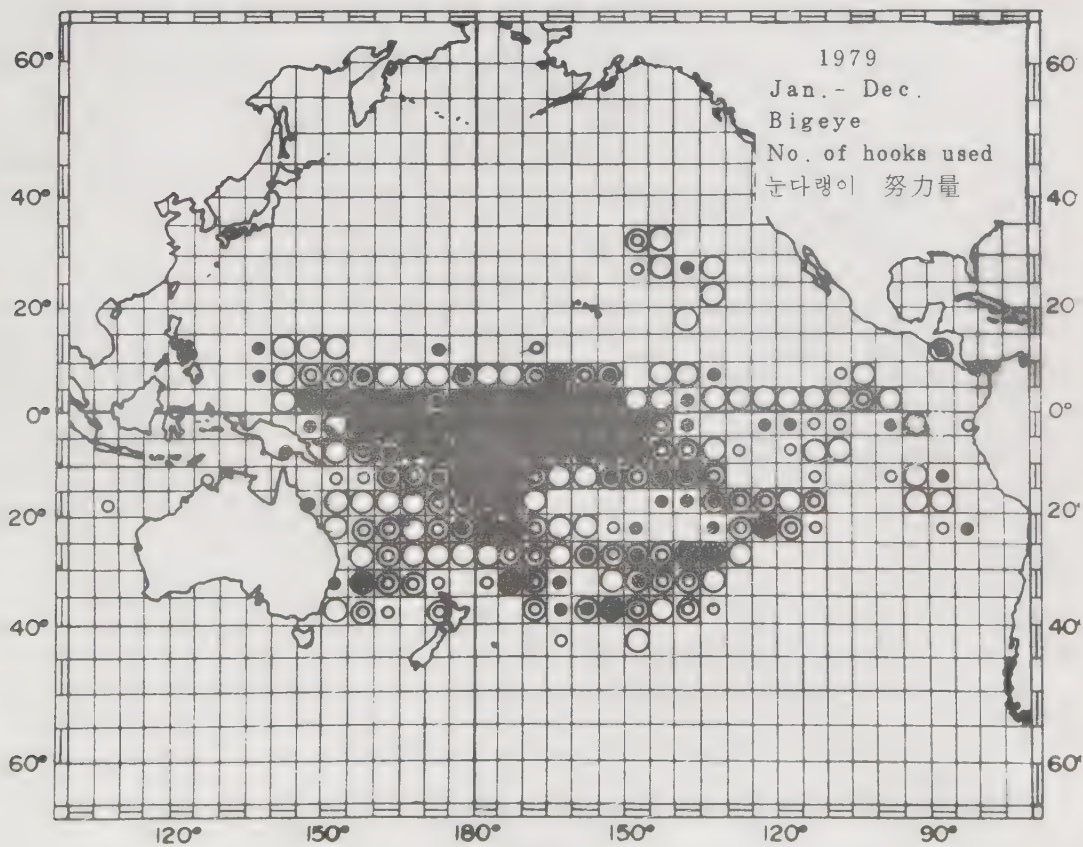
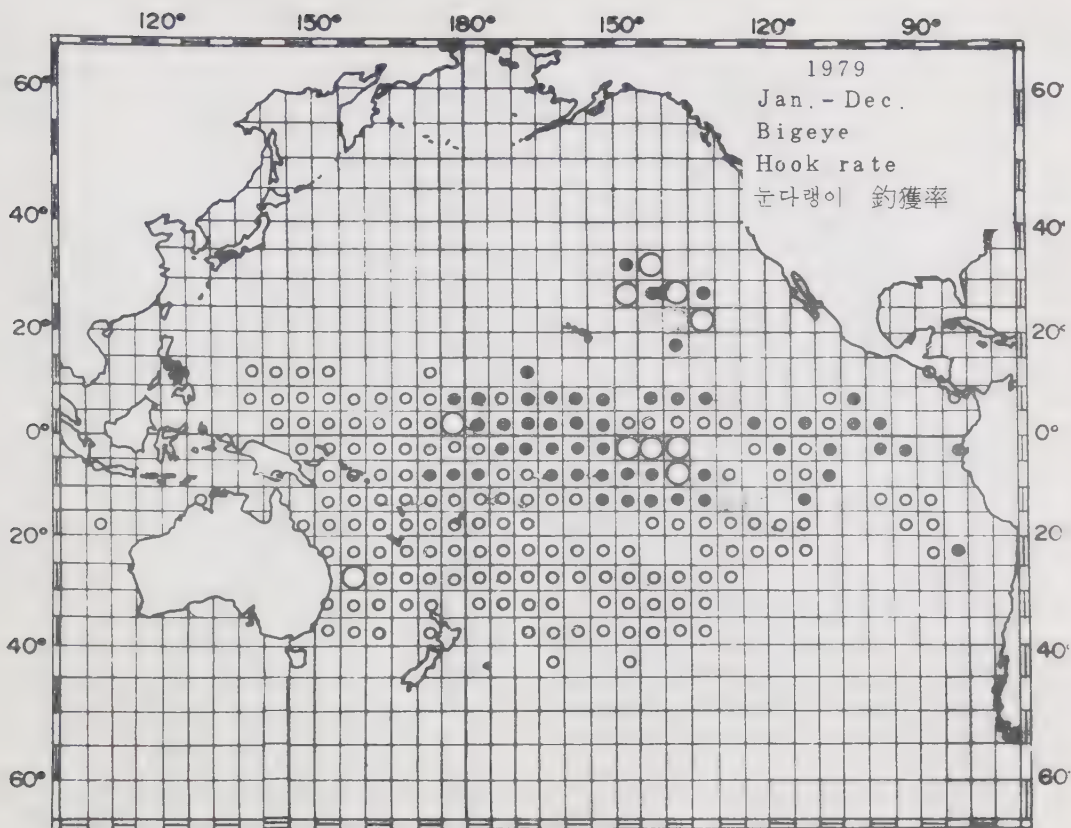


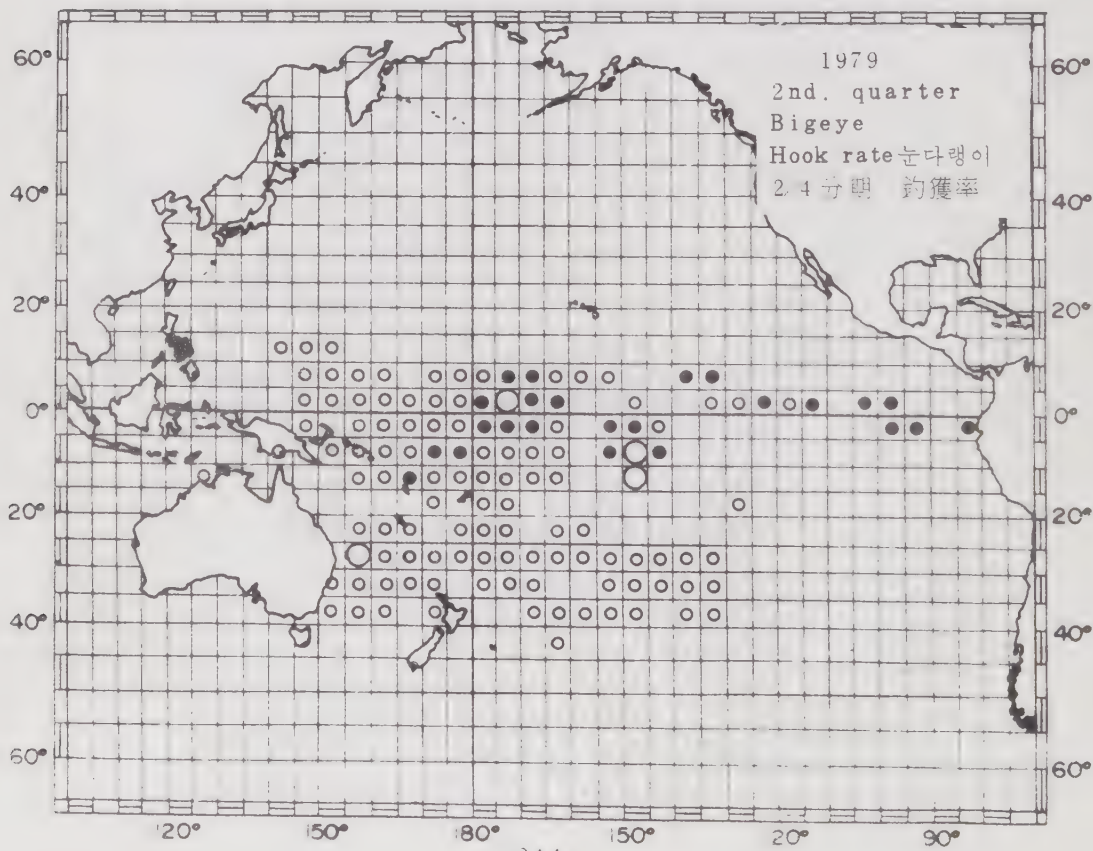
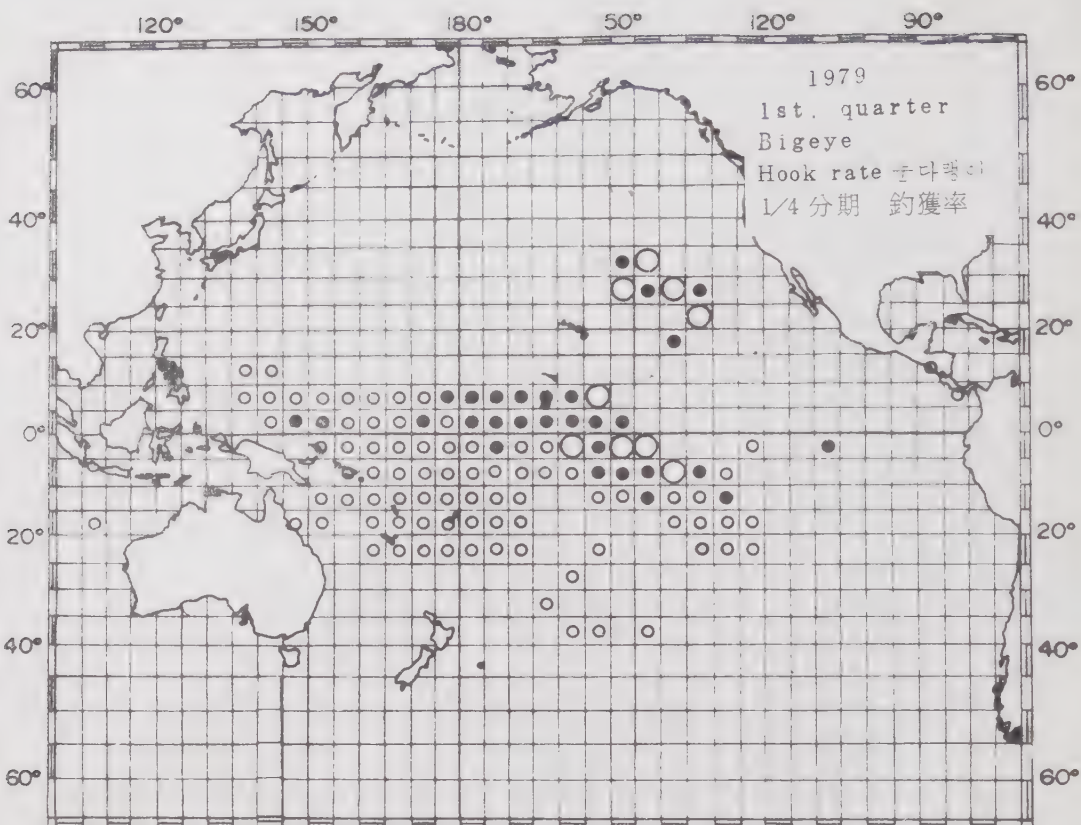




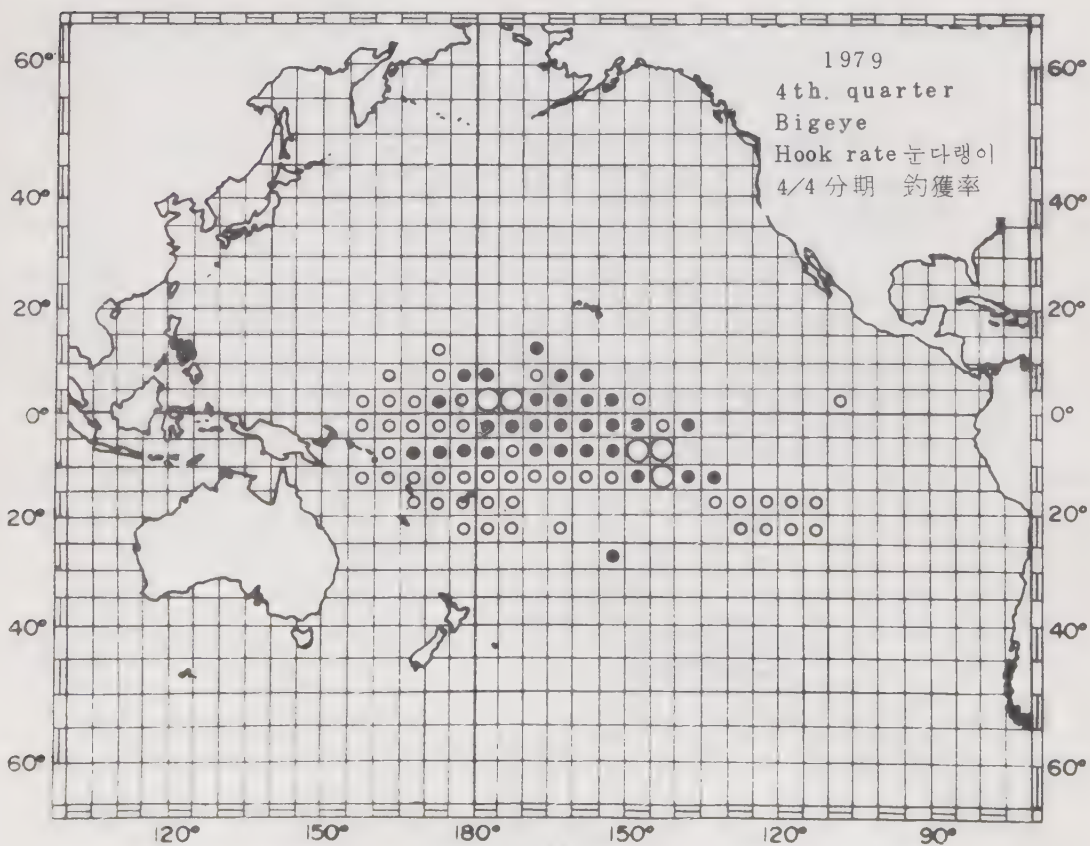
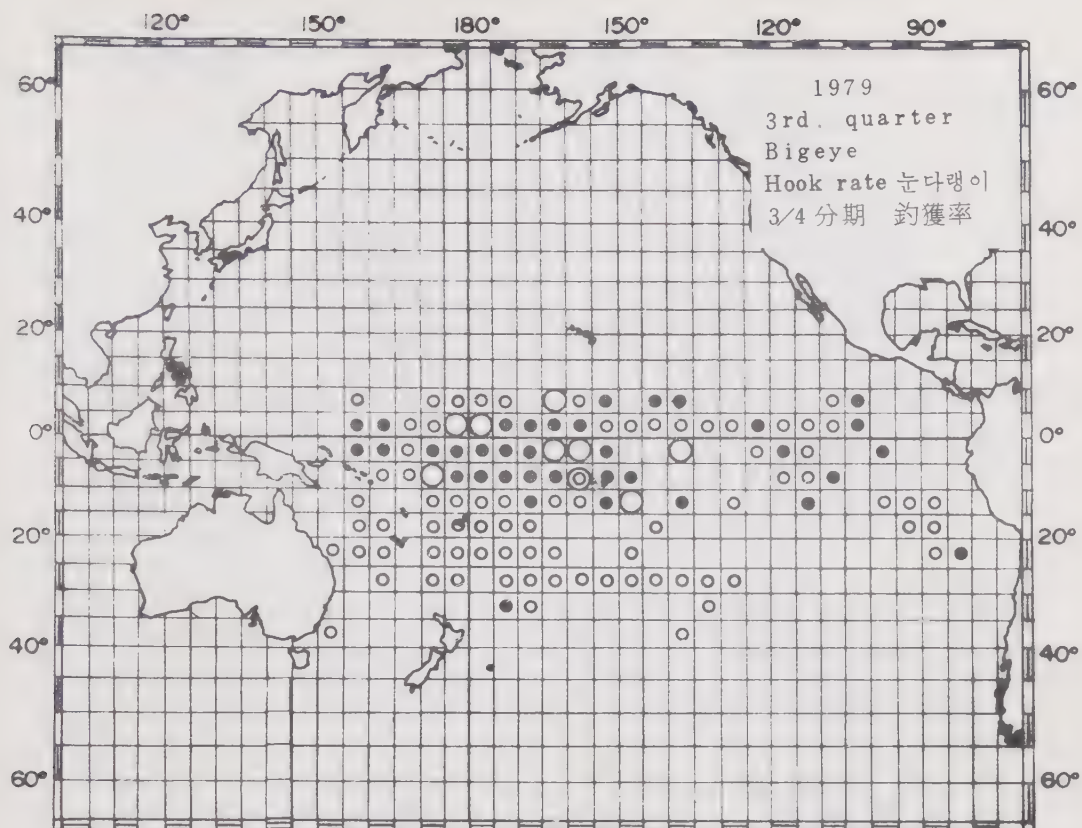
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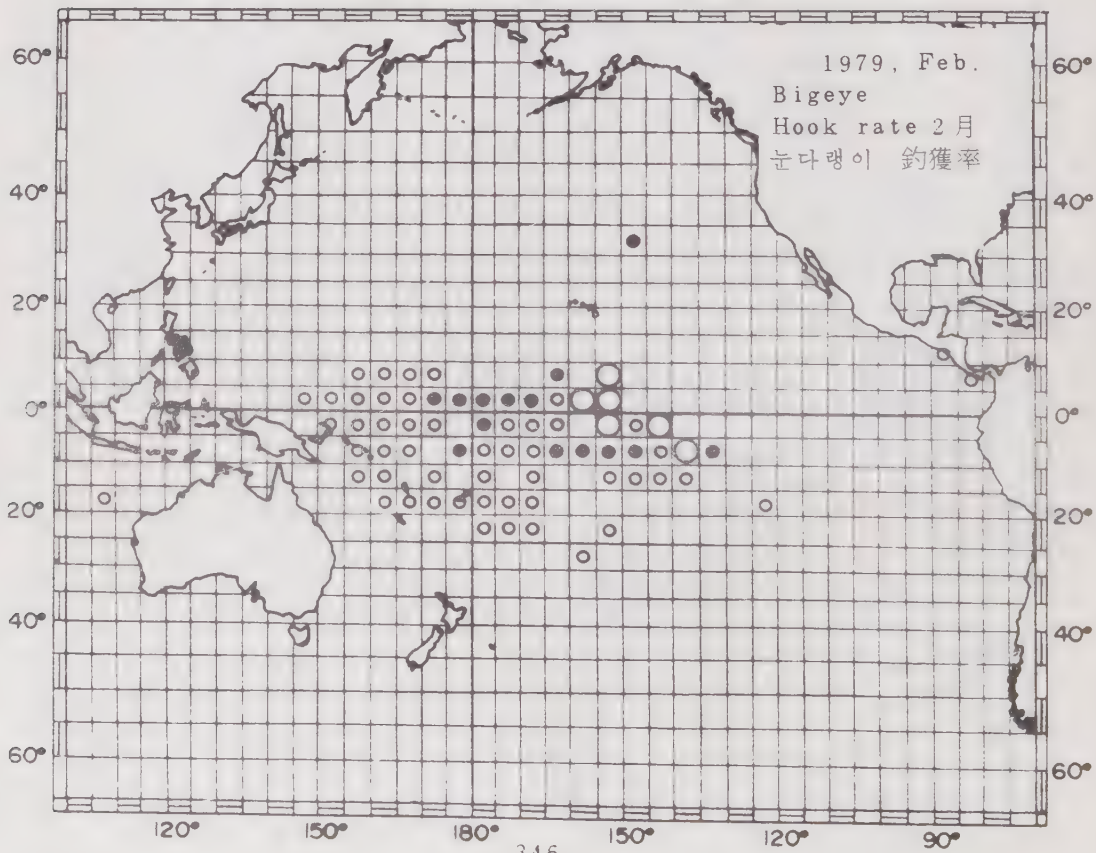
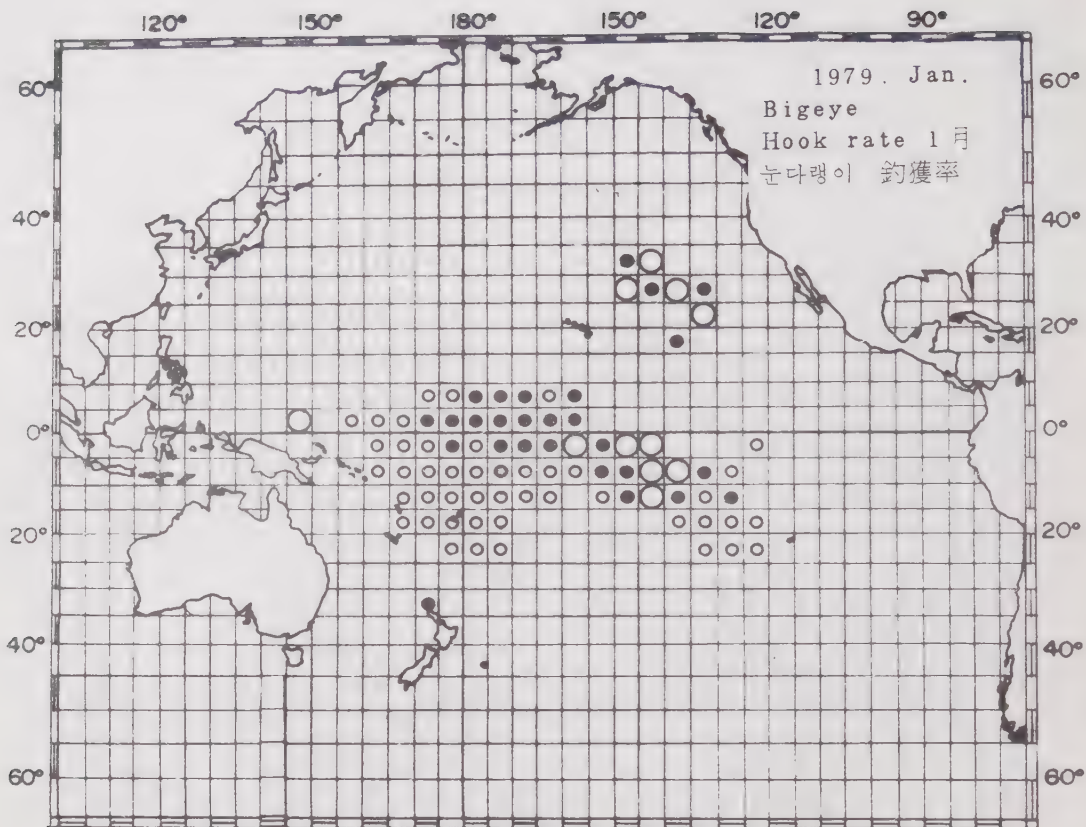






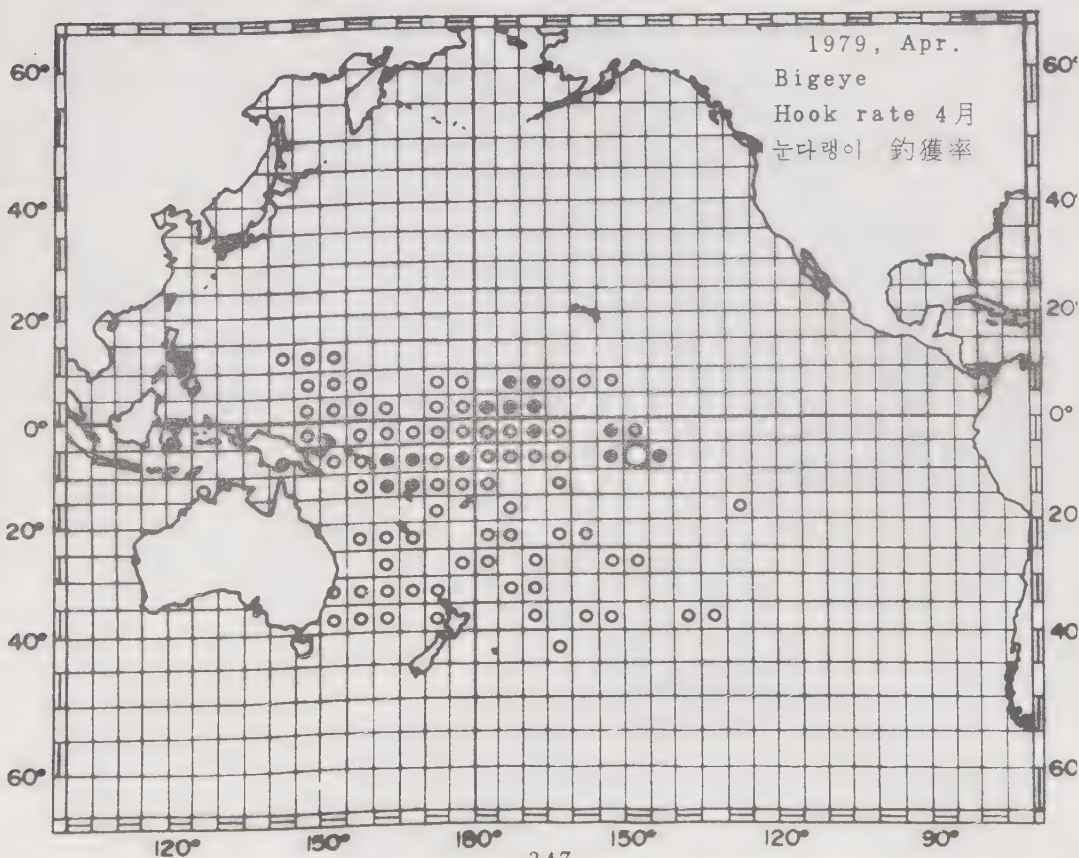
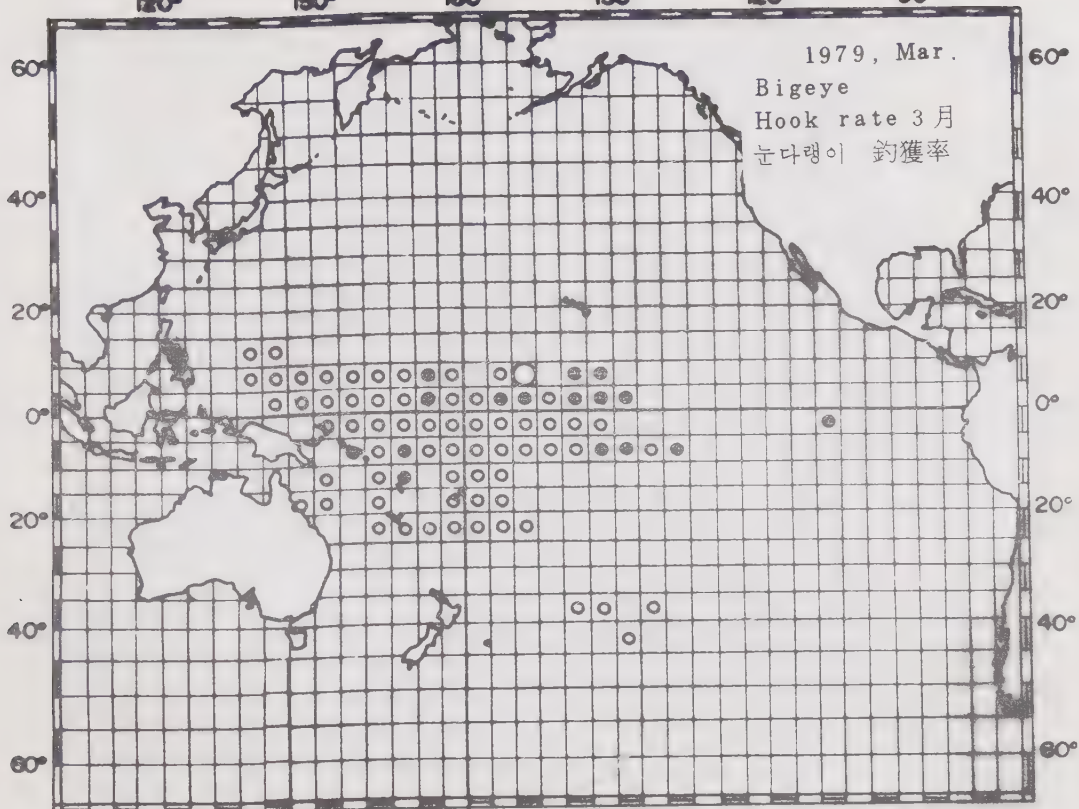


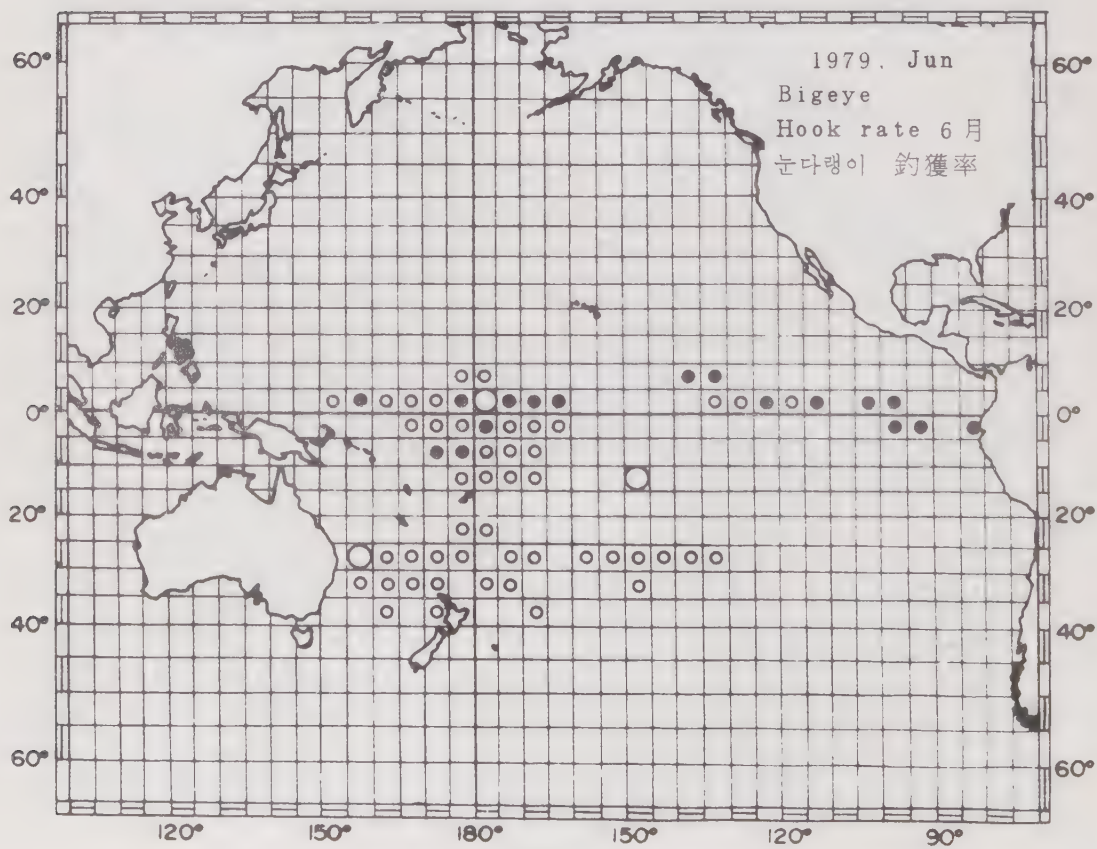
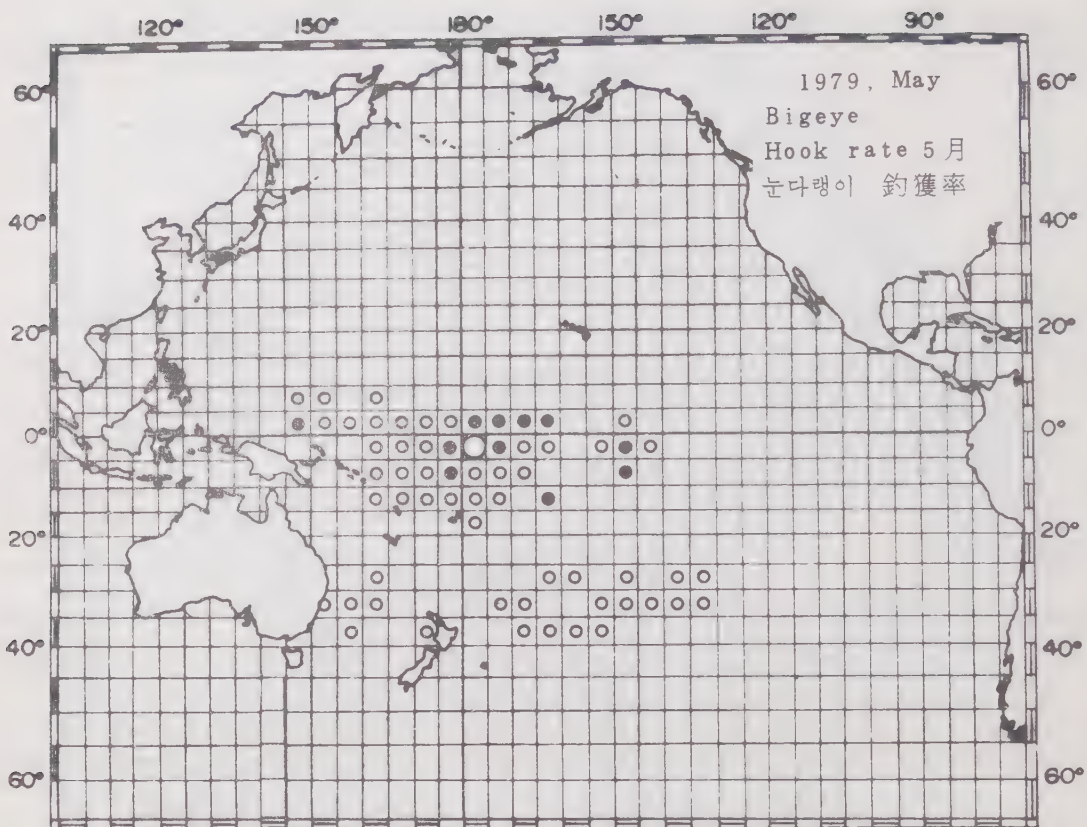




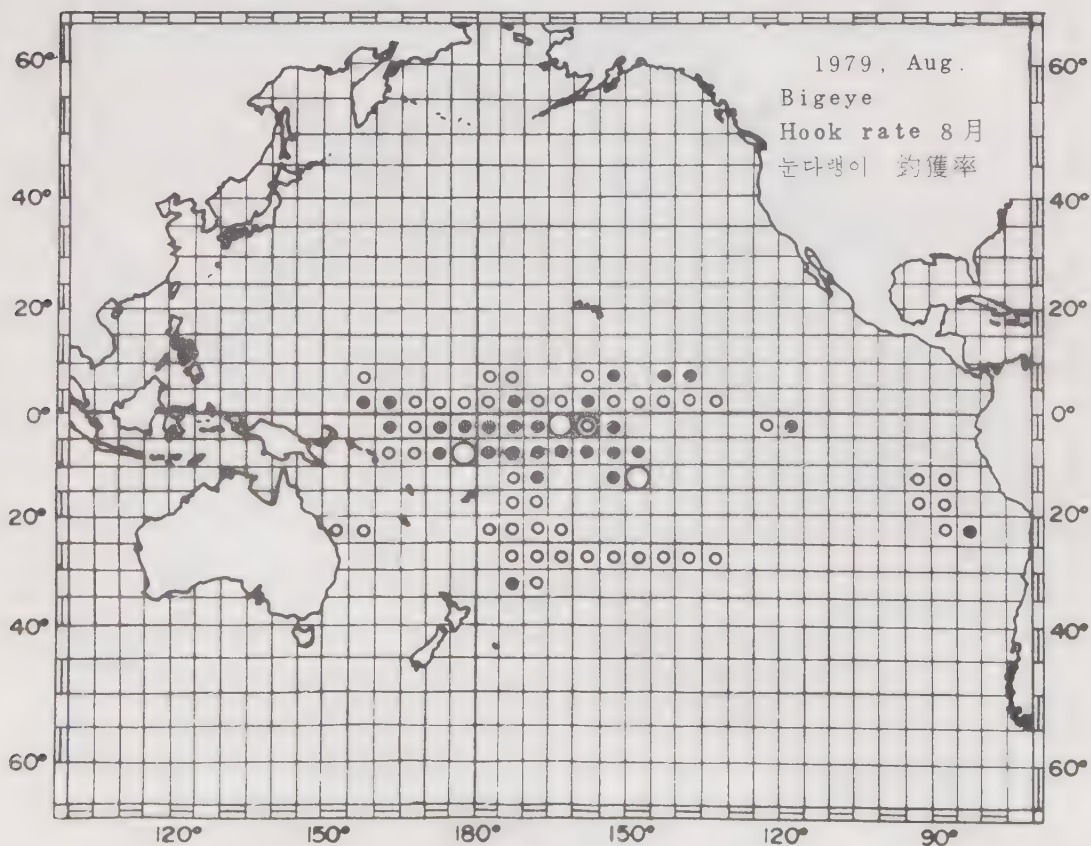
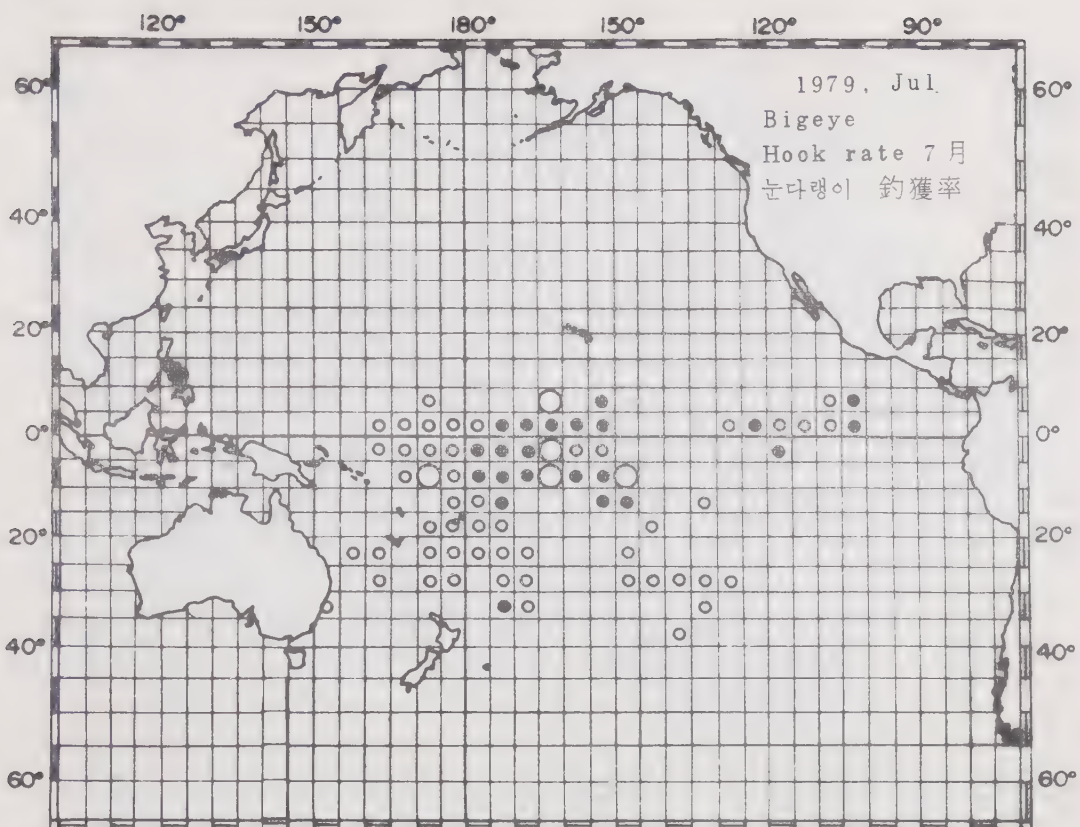


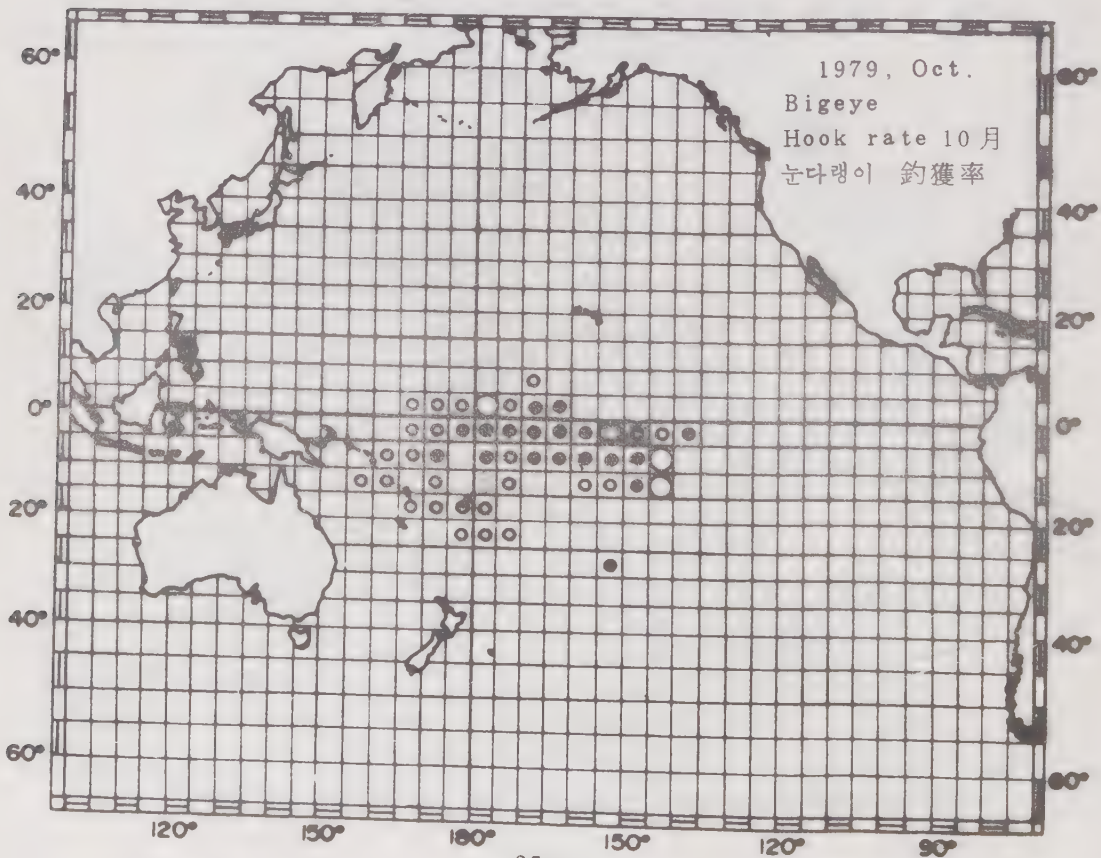
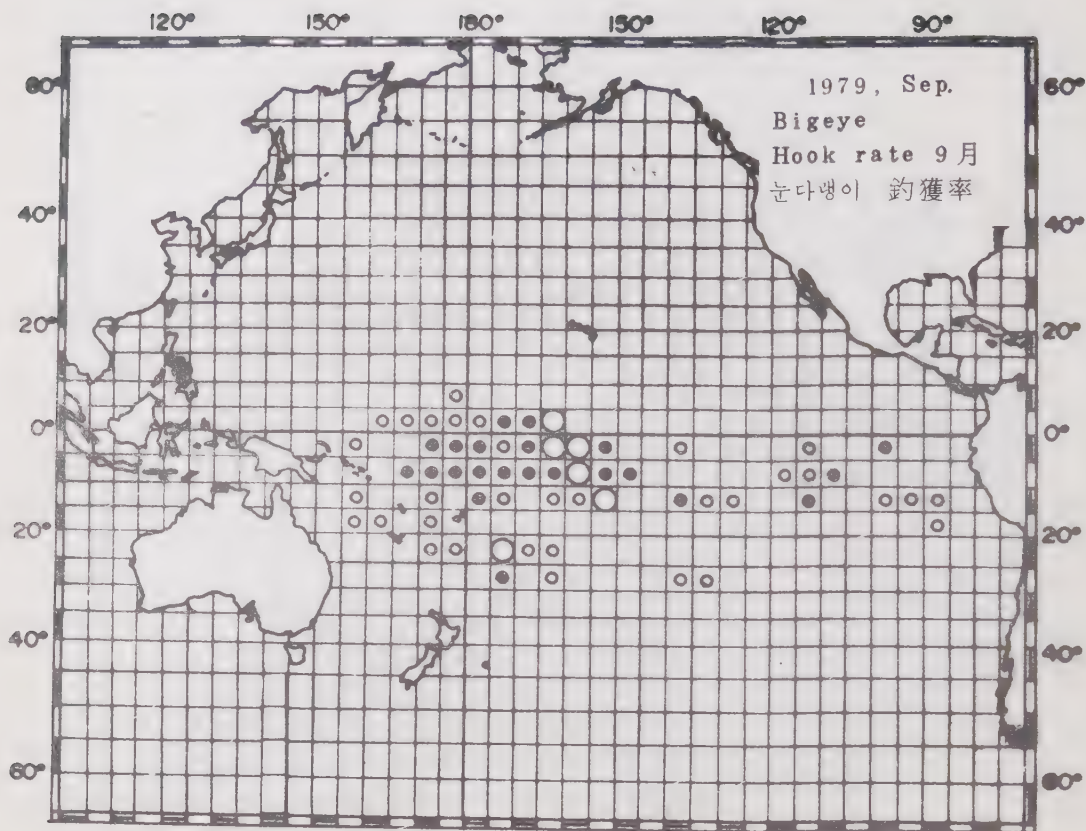
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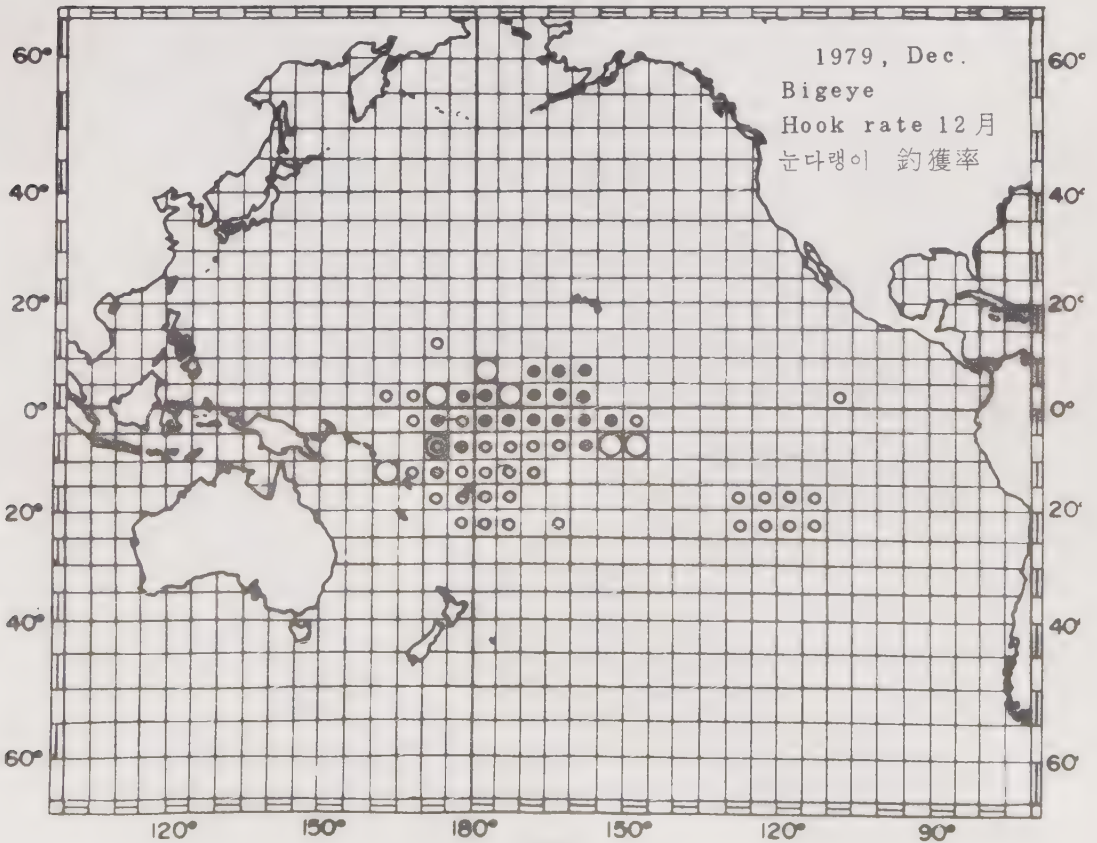
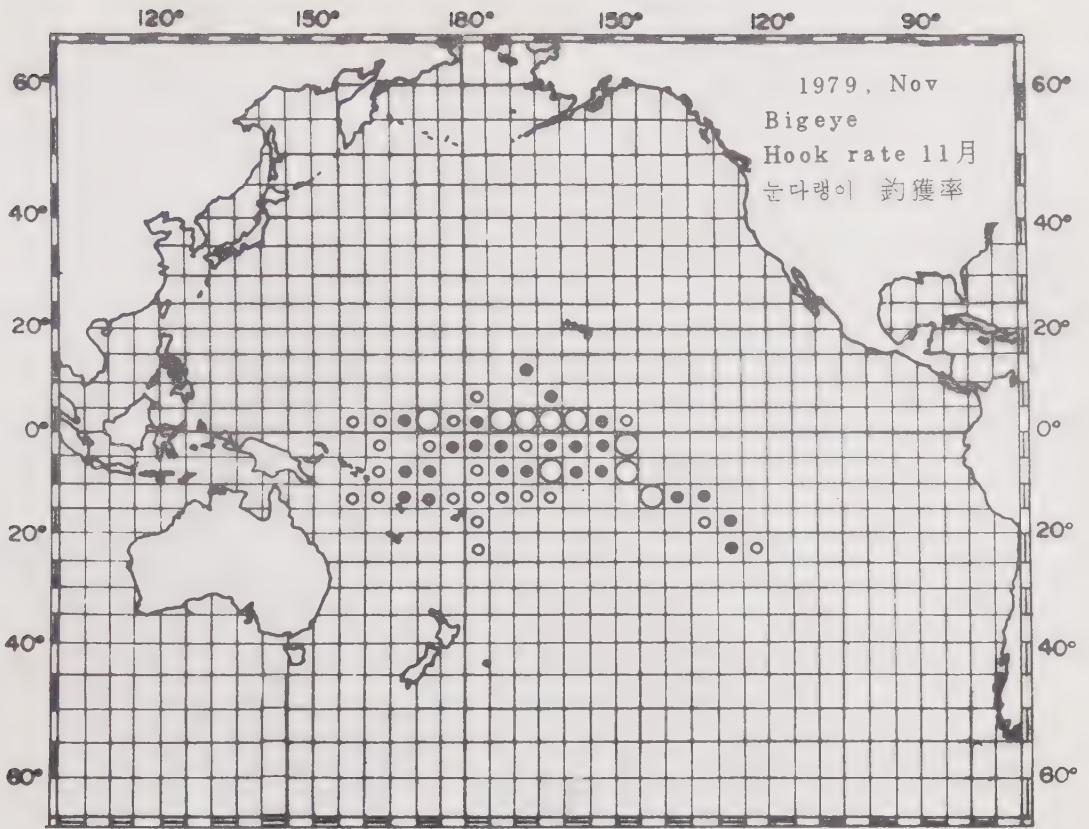
















遠洋 다랭이 延繩漁業 漁獲統計  
資料集 및 漁場圖

ANNUAL REPORT OF CATCH AND EFFORT  
STATISTICS AND FISHING GROUNDS ON  
KOREAN TUNA LONGLINE FISHERY

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